

# Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

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## UNITED STATES.

### *Yellow fever in the South—(Continued).*

Since the last issue of the PUBLIC HEALTH REPORTS, yellow fever has been reported at the following new places:

LOUISIANA.—Alexandria, Lake Charles, Lobdell, and Amite City.

MISSISSIPPI.—Bay St. Louis, Canton, Crystal Spring, Hattiesburg, Natchez, Poplarville, Ridgeland, and Waveland.

October 12. Assistant Surgeon Landry was reported ill with yellow fever at Taylors, Miss., but doing well. On same date Passed Assistant Surgeon Cobb reported 320 persons in Camp Haralson, which is now in good running order. House disinfection progressing as rapidly as possible. One hundred and sixty-eight persons were admitted to the detention camp near Franklin, La.; 111 discharged to October 12. Twenty-five from Franklin have been admitted to the fever hospital and 6 have been discharged recovered. It is thought that the remainder will be discharged in next two days.

The following telegram was received from Surgeon Carter:

NEW ORLEANS, *October 12, 1898.*

October 6. Yellow fever declared at Alexandria; quite general in part of town—existed about five weeks—very mild type.

October 7. Removed relay on valley road to Grayden, La., place being infected territory.

October 8. Clarke goes to Alexandria to instruct in disinfection and quarantine. Yellow fever announced in Hattiesburg; believed to be from Jackson, Miss.; about four weeks old, moderate type, said to be confined to small district. Cordoned, and a physician placed inside to attend sick, hoping to delay spread of fever till frost. Sent 2 physicians and 6 nurses to Wilson, where everybody is down.

October 9. Fever announced at Lumberton. Guard put on railroad at Moxie to protect Gulf and Ship Island Railroad from Lumberton. Place quarantined.

October 10. Fever reported at Canton, Miss. Came from Madison by negroes. Carter goes to Jackson to confer with Mississippi board of health. Service will cordon infected district of fever till frost. Removed such inspectors as are not needed on the Illinois Central Railroad. Stationed physicians at relay camp of Illinois Central Railroad for diagnosis.

October 11. Health Officer Saunders telegraphed from Montgomery, Ala.:

Entire States of Mississippi and Louisiana placed under quarantine. Will instruct officers not to permit persons from those States to stop in Alabama. Refugees may pass through in locked and guarded coaches or trains.

*Train inspection service.*

All trains discontinued on Yazoo and Mississippi Valley Railroad from New Orleans to Vicksburg. Inspection on the Illinois Central south of Canton has been discontinued.

In order to carry out the Alabama quarantine against Mississippi and Louisiana, the inspection has been extended over the Southern, Georgia Pacific, and Alabama and Great Southern Railroad to Birmingham and Montgomery. Passed Assistant Surgeon Oakley has been ordered to Birmingham in connection with this extension of inspection, and Surgeon Glennan, at Atlanta, has put inspectors on the roads entering Alabama, on the east, not already included, to complete the control of all passengers through the State of Alabama.

*Yellow fever in the United States as officially reported from July 1 to October 13, 1898.*

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
Alexandria.....	Oct. 6.....			Fellow fever reported.
Amite City.....	Oct. 13.....			Do.
Baton Rouge.....	To Oct. 8.....	22	2	
Bowie.....	Oct. 6.....	1		
Deloxgny.....	Oct. 1.....	1		
Franklin.....	Oct. 6.....	14		
	To Oct. 6.....	375	7	
	Oct. 7.....	34		
	Oct. 8.....	19	1	
	Oct. 9.....	20	0	
	Oct. 10.....	28	0	
	Oct. 11.....	20	0	
	Oct. 12.....	19	0	
	Oct. 13.....	26	0	
Harveys Canal.....	To Oct. 6.....	14	3	
Houma.....	To Oct. 8.....	8	1	
Jefferson Parish.....	To Sept. 20.....	5		
Lake Charles.....	Oct. 10.....			Do.
Loddell.....	Oct. 12.....			Do.
New Orleans.....	To Oct. 1.....	33	6	
	To Oct. 8.....	62	11	
Plaquemine.....	Oct. 1.....	1	1	
	To Oct. 8.....	3		
St. James Parish.....	Oct. 2.....	1		
Wilson.....	To Oct. 1.....	50	1	
	To Oct. 8.....	247	4	

## Yellow fever in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
Bay St. Louis .....	Oct. 11 .....	9	.....	
Canton .....	Oct. 10 .....	4	.....	
Clinton .....	To Oct. 8 .....	2	0	
Crystal Spring .....	Oct. 11 .....	5	.....	
Edwards (vicinity) .....	To Oct. 6 .....	6	.....	
	Oct. 7 .....	1	1	
Fayette .....	Oct. 6 .....	1	.....	
	Oct. 7 .....	2	.....	
	Oct. 9 .....	2	.....	
Harriston .....	Oct. 6 .....	4	.....	
	To Oct. 6 .....	42	4	
	Oct. 7 .....	2	.....	
	Oct. 8 .....	1	.....	
	Oct. 9 .....	9	.....	
	Oct. 10 .....	14	.....	
	Oct. 11 .....	13	1	
	Oct. 12 .....	11	.....	
	Oct. 13 .....	16	.....	
Hattiesburg .....	Oct. 8 .....	2	1	
	Oct. 9 .....	10	.....	
	Oct. 10-Oct. 13 .....	6	.....	
Hermanville .....	To Oct. 6 .....	2	.....	
	Oct. 11 .....	1	.....	
Jackson .....	Oct. 6 .....	6	.....	
	To Oct. 6 .....	41	4	
	Oct. 7 .....	6	.....	
	Oct. 8 .....	10	.....	
	Oct. 9 .....	6	.....	
	Oct. 10 .....	3	.....	
	Oct. 11 .....	11	.....	
	Oct. 12 .....	11	.....	
	Oct. 13 .....	14	1	
Madison .....	Oct. 6 .....	4	.....	
	Oct. 7 .....	3	.....	
	Oct. 8 .....	3	.....	
	Oct. 9 .....	7	.....	
	Oct. 10 .....	15	.....	
	Oct. 11 .....	3	.....	
	Oct. 12 .....	5	.....	
	Oct. 13 .....	5	.....	
Natchez .....	Oct. 7 .....	2	.....	
	Oct. 13 .....	6	.....	
Orwood .....	To Oct. 6 .....	79	4	
	Oct. 10 .....	6	1	
Oxford .....	To Oct. 6 .....	52	6	
	Oct. 7 .....	2	1	
	Oct. 8 .....	1	1	
	Oct. 9 .....	1	.....	
	Oct. 10 .....	1	.....	
	To Oct. 10 .....	470	36	
	Oct. 11 .....	10	.....	
	Oct. 12 .....	3	1	
	Oct. 13 .....	0	1	
Poplarville .....	Oct. 9 .....	2	.....	
	Oct. 11 .....	7	.....	
Port Gibson .....	Oct. 6 .....	1	1	
Ridgeland .....	Oct. 8 .....	3	.....	
	Oct. 10 .....	1	.....	
	Oct. 11 .....	1	.....	
Starkville .....	Oct. 6 .....	3	.....	
	Oct. 7 .....	1	.....	
	Oct. 8 .....	1	.....	
	Oct. 13 .....	1	.....	
Taylors .....	Oct. 6 .....	4	.....	
	To Oct. 6 .....	100	11	
	Oct. 7 .....	3	1	
	Oct. 8 .....	1	.....	
	Oct. 12 .....	0	1	
Waterford .....	To Oct. 6 .....	2	.....	
Water Valley .....	To Oct. 6 .....	10	.....	
Waveland .....	Oct. 10 .....	3	.....	
	Oct. 11 .....	9	.....	
	Oct. 12 .....	2	.....	
	Oct. 13 .....	2	1	
Woodville .....	To Oct. 6 .....	1	.....	

[Reports to the Supervising Surgeon-General, United States Marine-Hospital Service.]

*Abstract of replies received to circular letter addressed to State boards of health relative to transportation of dead bodies.*

[Continued from No. 36.]

CALIFORNIA.

The body of a person dead of a contagious disease will not be allowed entrance into the State for interment. Otherwise, a certificate signed by a duly authorized person in another State, declaring the cause of death to have been other than a contagious disease will be recognized and a permit for interment granted.

*Modification of quarantine regulations in Louisiana.*

NEW ORLEANS, October 9, 1898.

SIR: I beg to announce to you that the following was issued this day:

[Proclamation.]

Whereas, The prevailing fever, "the yellowoid fever," is noticeable for its mildness, be it ordained that:

(1) All persons from nonquarantined localities are permitted to enter all quarantined localities, but they can not return to the nonquarantined localities, even if these are willing, except under the Atlanta regulations.

(2) All quarantined localities (except Franklin and Wilson) are permitted to hold communication with New Orleans and adjacent quarantined localities: St. Bernard, Plaquemines, St. Tammany (in part), Orleans, St. Charles, Jefferson (Right Bank), St. John.

(3) Persons from quarantined localities intending to go into the quarantined localities "not adjacent to New Orleans" must ascertain before hand upon what conditions they will be received there, viz: St. Mary, Terrebonne, Lafourche, St. James, East Baton Rouge, East and West Felicianas, Iberville, and Rapides.

EDMOND SOUCHON, M. D.,

*President Louisiana State Board of Health.*

*West Tennessee quarantines against points infected with yellow fever.*

[Quarantine Order No. 1.]

NASHVILLE, TENN., October 4, 1898.

Whereas, Yellow fever has become epidemic in various points in Louisiana and Mississippi, and bids fair to spread farther before frost; and,

Whereas, West Tennessee and Hamilton County are known to be infectible territory; therefore,

Be it ordained (1), That a quarantine be declared for west Tennessee and Hamilton County against all points now infected, or points which may hereafter become infected, and all territory within a radius of 10 miles of same, until further notice.

(2) That after this date no one will be permitted to enter the above protected territory unless provided with a properly executed health



certificate of the form and requirements as prescribed by the "Atlanta Convention," to wit:

Paragraph 137. Persons from noninfected localities, and who have not been exposed to infection, being allowed to leave without detention, and on leaving such place shall be provided with health certificate of the following form by the legally constituted health authorities of the place:

OFFICE OF BOARD OF HEALTH,  
\_\_\_\_\_, 189—.

Health officer \_\_\_\_\_.

*To whom it may concern:*

This is to certify that Mr. \_\_\_\_\_ has given satisfactory evidence to me that he has been in \_\_\_\_\_ not less than ten days, and, to the best of my knowledge and belief he has not been exposed to the infection of yellow fever, and has not been in any infected or suspected locality for ten days.

DESCRIPTION.—Age, \_\_\_\_\_ years. Weight, \_\_\_\_\_ pounds. Height, \_\_\_\_\_.

Complexion, \_\_\_\_\_. Hair, \_\_\_\_\_. Eyes, \_\_\_\_\_.

Signature \_\_\_\_\_.

\_\_\_\_\_,  
*Health Officer.*

Paragraph 138. When deemed necessary, affidavit shall be required by the health officer.

Paragraph 139. This certificate shall be issued without fee, if issued at any point in infectible territory.

(3) That no one be permitted to enter the above protected territory from infected points in the sense of this ordinance, under any circumstances, until this ordinance is revoked. Parties may, however, pass directly through in closed coaches.

(4) Train crews which stop at infected points must be relayed before the trains can enter the above protected territory.

(5) No freight or express matter will be admitted from infected points unless accompanied by a certificate of inspection or fumigation from the United States Marine-Hospital Service.

(6) Personal effects and household goods will not be admitted under any circumstances into the above protected territory.

(7) No local health officers are permitted to put off refugees within the limits of west Tennessee, or Hamilton County, but refugees will in all cases be escorted in closed coaches by United States Marine-Hospital inspectors to noninfectible territory.

(8) That the United States Marine-Hospital Service be requested to put on train inspectors on all passenger trains traversing the above protected territory, and also to take charge of relay stations during the life of this ordinance.

(9) That detention camps be established on all railroads terminating in infectible territory.

(10) That a violation of any part of this ordinance shall constitute a violation of the State quarantine regulations, under fine and penalty as prescribed by law.

By order State board of health of Tennessee.

J. A. ALBRIGHT, M. D.,  
*Secretary and Executive Officer.*

W. J. McMURRAY, M. D.,  
*President.*

*Smallpox and anthrax in Pennsylvania.*

PHILADELPHIA, PA., October 7, 1898.

SIR: I beg respectfully to report that smallpox has developed in Pennsylvania at the following points: Vincent Township, a short distance from Spring City, Chester County, 7 cases, confined to one family. The premises are now under strict quarantine. The disease was brought from Ponce, Puerto Rico, by two sons of the family, members of Battery C, United States Volunteers of Phoenixville. Sayre, Bradford County, 1 case, recovered and released from quarantine September 21. Origin unknown.

The following, with regard to anthrax in Pennsylvania, has just been received at this office: Carlisle, Cumberland County, 1 case, resulting fatally. New Holland, Lancaster County, 1 case, resulting fatally.

Yours very truly,

BENJAMIN LEE, M. D.,  
*Secretary.*

PHILADELPHIA, PA., October 10, 1898.

SIR: Since my report of October 7, 1898, 2 cases of smallpox have developed near Spring City, Chester County. The origin is from the cases previously reported. The premises are quarantined.

Yours, very truly,

BENJAMIN LEE, M. D.,  
*Secretary.**Smallpox in Ohio.*

COLUMBUS, OHIO, October 8, 1898.

SIR: Since my last report, smallpox has been reported in Ohio as follows: Cincinnati, 3 cases; Sandusky, 1 case; Dayton, 1 case; Oberlin, 1 case; St. Marys, 2 cases; New Paris, 1 case; Uniopolis, 1 case; Wapakoneta, 20 cases.

Smallpox was first officially recognized in Wapakoneta October 4, 1898. An eruptive disease, undoubtedly smallpox, has been prevailing there since last April. It is estimated that over 200 cases have occurred, with but 1 death. Proper precautions are now being taken to limit the spread of the disease.

Respectfully,

C. O. PROBST, M. D.,  
*Secretary.**Smallpox at Chunchula, Ala.*

MOBILE, ALA., October 9, 1898.

SIR: I have the honor to state that 8 cases of smallpox occurred at Chunchula, Mobile County, about 10 miles from this city, during the last six weeks. The house containing 9 people is situated 2 miles from another residence. A week ago Health Officer Acker vaccinated all the people he could reach.

It is reasonable to expect a serious time with smallpox in southern Alabama when the weather becomes cold and favorable for a spread.

I am, very respectfully, your obedient servant,

R. D. MURRAY,  
*Surgeon, U. S. M. H. S.*

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 14, 1898.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Bessemer.....	Jan. 6-Feb. 19....	143		
Birmingham.....	Jan. 6-Feb. 19....	47		
	May 13.....	18		
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19....	26		
Carneys Bluff.....	Feb. 17.....			Smallpox reported.
Cedarville.....	Aug. 1-Sept. 29....	50		
Corona.....	Mar. 4.....	1		
Dolomite.....	Dec. 1-Jan. 17....	21		
Dwight, Washington County	Aug. 16-Sept. 12..	12	1	
Goport.....	Feb. 17.....			Do.
Glendon.....	Feb. 17.....			Do.
Haynesville.....	Mar. 11.....	490		
Horse Creek Mine.....	Mar. 1.....	3		
Hurricane Bayou.....	Mar. 31-June 12....	30		
Jackson.....	Feb. 17.....	10		
Letohatchie.....	May 13.....	50		
	July 30.....	25		Three miles from town.
Mobile.....	Feb. 5-June 15....	82	1	
	July 1-Aug. 17....	9		
Montevallo.....	Mar. 3.....	1		
Montgomery.....	June 29.....	2		
Newton.....	Jan. 15-Feb. 2....	7		
Nichola.....	Feb. 17.....			Smallpox reported.
Oxmar.....	Jan. 19.....			Do.
Patton.....	Feb. 1-Mar. 4....	9		
Pinckard.....	Feb. 2.....	50		
Port Deposit.....	May 13.....	1		
Rock Springs.....	Mar. 11.....	15		
Salitpa.....	Feb. 17.....			Do.
Selma.....	Jan. 13-Feb. 14....	3		
Shelby.....	Jan. 28-Apr. 22....	8		
Talladega.....	Jan. 9-Feb. 15....	45		
Walker Springs.....	Feb. 17.....			Do.
Wayne County.....	June 23-July 1....	2		
Whistler.....	June 4-June 15....	1		
<b>Arkansas:</b>				
Beebe.....	June 30.....	1		
Conway.....	Sept. 28.....	3		
Fair Oaks.....	Mar. 1.....	5		
Hot Springs.....	June 30.....	2		
Little Rock and vicinity...	Mar. 31-May 20....	110	1	
Newport.....	Apr. 25.....	1		
Sweet Home.....	May 20.....	11	1	
<b>Colorado:</b>				
Boulder County.....	June 24-July 26....	5		
Colorado Cañon.....	Aug. 8.....	7		
Las Animas County.....	July 26.....	5		
<b>District of Columbia:</b>				
Washington.....	Feb. 7.....	1		Naval Hospital.
	Apr. 2-May 5....	9		
	Aug. 13.....	1		
<b>Florida:</b>				
Bartow.....	June 25.....	1		
Bluff Springs.....	June 18.....	1		
Jacksonville.....	Mar. 20-Mar. 26....	1		
Pensacola.....	Apr. 24-May 11....	2		
Washington County.....	Jan. 24.....	12		
<b>Georgia:</b>				
Atlanta.....	Jan. 17-Feb. 16....	178	2	Most cases from county.
	May 27-July 27....	2		
Cartersville.....	Jan. 15-Mar. 1....	9	1	
Griffin.....	Feb. 12.....	2		
Macon.....	Jan. 15-June 1....	100	3	
Suileboro.....	Jan. 15.....			Smallpox reported.
<b>Illinois:</b>				
Chicago.....	May 4.....	1		
<b>Indiana:</b>				
Evansville.....	Feb. 26.....	1		
<b>Kansas:</b>				
Fort Scott.....	Sept. 15.....	1		
<b>Kentucky:</b>				
Butler.....	Feb. 8-Feb. 24....	1		
Louisville.....	Apr. 16.....	1		
Middlesborough.....	Feb. 3-Apr. 7....	183	2	
Laurel County.....	July 20.....			Do.
Clay County.....	July 20.....			Do.
Jackson County.....	July 20.....			Do.
<b>Louisiana:</b>				
New Orleans.....	Mar. 13-May 21....	5		

## Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Massachusetts:</b>				
Greenfield.....	Feb. 5-Feb. 22....	1		
Westfield.....	Feb. 20-Mar. 2....	1		
<b>Michigan:</b>				
Detroit.....	Sept. 17-Sept. 27....	6		
Ionia.....	Mar. 20-Apr. 23....			Smallpox reported.
Otsego.....	Sept. 10.....	1		Do.
Royal Oak.....	Feb. 12-Mar. 12....	1		
Seneca Township.....	Aug. 6.....	1		
	Aug. 27.....			Do.
<b>Mississippi:</b>				
Basin.....	May 16.....	7		
Chicora.....	June 23-July 1....			Cases reported.
Denny.....	May 16-May 31....	19		
Hattiesburg.....	June 4-June 15....	4		
Hendersons Point.....	Feb. 8.....	3		
Laurel.....	May 28-July 28....	11		
Meridian.....	July 28.....	2		
Moss Point.....	Feb. 15.....	1		
Ocean Springs.....	Feb. 29.....	3		
Prairie.....	June 4-June 15....			Several cases.
State Line.....	June 23-July 1....	1		
Shubuta, Clark County.....	May 28-June 15....	50		
<b>New Jersey:</b>				
Westfield.....	Mar. 4.....	1		
<b>New Mexico:</b>				
Albuquerque and vicinity.....	Mar. 5-Sept. 4....	52	3	Smallpox reported prevalent along the line of the Santa Fe R. R. August 4, 1898.
<b>New York:</b>				
Buffalo.....	May 21-June 18....	1		
Deposit.....	Nov. 1-Nov. 30....	1		
Livonia.....	July.....	1		
New York City.....	May 14-May 21....	1		
Waverley.....	July.....	5		
<b>North Carolina:</b>				
Alamance County.....	Feb. 18-Feb. 25....	1		
Asheville.....	Apr. 14-July 19....	1		
Buncombe County.....	Apr. 16.....	1		
Catawaba.....	July 19.....	6		In one family.
Charlotte.....	Jan. 25-Feb. 12....	4		
Clay County.....	Feb. 15-Feb. 24....	3		
Cleveland.....	July 19.....	7		13 found recovered; total, 20 cases.
Durham.....	do.....	1		
Elmwood.....	do.....	2		
Iredell County.....	May 19-June 2....	9		
Mooresville.....	July 19.....	1		
Reidsville.....	do.....	1		
Wilmington.....	Jan. 12.....	1		
Wilson County.....	May 28.....	1		
<b>Ohio:</b>				
Bays.....	July 14.....	2		
Cincinnati.....	May 5.....	1		
	Oct. 8.....	3		
Columbus.....	Apr. 16-Apr. 22....	1		
Dayton.....	Sept. 23.....	1		
	Oct. 8.....	1		
Delphos.....	May 4-July 14....	15		
Fairfield County.....	Apr. 8-May 11....	12	1	
Goshen.....	July 28.....	15		
New Paris.....	Oct. 8.....	1		
Oberlin.....	do.....	1		
Put-in-Bay.....	Sept. 6.....	26		
Sandusky.....	Oct. 8.....	1		
St. Marys.....	do.....	2		
Unionopolis.....	do.....	1		
Van Wert.....	June 23-July 15....	13		
Wapakoneta.....	Oct. 8.....	20		
<b>Pennsylvania:</b>				
Chester County (near Spring City).....	Oct. 7.....	7		
Dunbar.....	June 23-July 13....	6		
Philadelphia.....	Apr. 13.....	2		
Sayre, Bradford County.....	Oct. 7.....	1		
<b>South Carolina:</b>				
Arkwright.....	Mar. 25.....	9		
Beaufort.....	Jan. 17.....			Smallpox reported.
Charleston.....	Apr. 22.....	1		
Columbia.....	Apr. 6-May 2....	86		
Dyson.....	Mar. 25.....	3		

*Smallpox in the United States, etc.—Continued.*

Places.	Date.	Cases.	Deaths.	Remarks.
<i>South Carolina—Continued.</i>				
Greenville.....	Jan. 17.....			Smallpox reported.
Orangeburg.....	Jan. 17.....			Do.
Pelham.....	Mar. 25.....	20		
Ridge Springs.....	Mar. 25.....	1		
Rock Hill.....	Jan. 17.....			Do.
Spartanburg.....	Jan. 17-July 26....	4		Do.
Sumter.....	May 2.....	12		
Swansea.....	Jan. 15.....			Do.
<i>Tennessee:</i>				
Bristol.....	Mar. 1-Mar. 31....	1		
Chattanooga.....	Jan. 1-Apr. 30....	21		
Cleveland.....	Apr. 1-Apr. 30....	6		
	July 1-July 31....	12		
Elk Valley.....	Mar. 1-Mar. 31....	1		
Huntington (near).....	Jan. 1-Jan. 29....	1		
Jellico.....	Feb. 1-Mar. 31....	9		
Johnson City.....	Feb. 1-Mar. 31....	13		
Knoxville.....	Jan. 1-Apr. 30....	43		
Lenoir City.....	Jan. 1-Feb. 28....	5		
Memphis.....	Jan. 22-Apr. 30....	4		
	July 1-July 31....	2		
Mingo mines.....	Jan. 1-Jan. 29....	6		
Mingo.....	Feb. 1-Mar. 31....	3		
Morristown.....	Feb. 1-Mar. 31....	6		
Newcomb.....	Feb. 1-Feb. 28....	3		
Rockford.....	Mar. 1-Mar. 31....	1		
Rutledge.....	Feb. 1-Apr. 30....	14		
Shields Ferry.....	Mar. 1-Mar. 31....	4		
Sproles.....	Mar. 1-Mar. 31....	1		
<i>Texas:</i>				
Brownsville.....	Feb. 26.....	1		
Columbus.....	Feb. 2-Apr. 2....	30	7	Do.
<i>Virginia:</i>				
Colburn.....	Feb. 1.....			Do.
Norfolk.....	Mar. 1-Mar. 10....	2		
	Sept. 19-Oct. 4....	8		
Norton.....	Feb. 1.....			Do.
<i>West Virginia:</i>				
Bluefield.....	Feb. 25.....	5		
Fayette County.....	May 6.....	8		
Mercer County.....	May 6.....	6		
McDowell County.....	May 6.....	12		
<i>Wisconsin:</i>				
Milwaukee.....	May 19.....	1		
Oshkosh.....	Apr. 28.....	1		

*Report of immigration at Philadelphia for the week ended October 8, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, October 8, 1898.*

*Number of alien immigrants who arrived at this port during the week ended October 8, 1898; also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 3	Steamship Siberian.....	Glasgow.....	4
Oct. 5	Steamship Adria.....	Liverpool and Queenstown.....	102
	Total.....		106

JNO. J. S. RODGERS,  
*Commissioner.*



*Report of Immigration at Boston for the week ended October 8, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, October 8, 1898.**Number of alien immigrants who arrived at this port during the week ended October 8, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 2	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	201
Do.....	Steamship British Empire.....	London, England.....	2
Do.....	Steamship Roman.....	Liverpool, England.....	7
Oct. 4	Steamship Lancastrian.....	.....do.....	16
Do.....	Steamship Camboman.....	.....do.....	13
Oct. 5	Steamship Boston.....	Yarmouth, Nova Scotia.....	80
Do.....	Steamship Prince Edward.....	.....do.....	136
Do.....	Steamship Brookline.....	Kingston, Jamaica.....	5
Do.....	Steamship Londonian.....	London, England.....	8
Do.....	Steamship Hibernian.....	Glasgow, Scotland.....	70
Oct. 6	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	114
Oct. 7	Steamship Halifax.....	Halifax, Nova Scotia.....	265
Oct. 8	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	94
Do.....	Steamship Boston.....	.....do.....	94
Do.....	Steamship Catalonia.....	Liverpool, England.....	303
Total.....			1,408

GEORGE B. BILLINGS,  
*Commissioner.**Report of immigration at New York for the week ended October 8, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, October 11, 1898.**Number of alien immigrants who arrived at this port during the week ended October 8, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 2	Steamship Etruria.....	Liverpool and Queenstown.....	301
Do.....	Steamship La Touraine.....	Havre.....	410
Oct. 4	Steamship Patria.....	Hamburg.....	155
Do.....	Steamship Scythia.....	Liverpool and Queenstown.....	311
Do.....	Steamship Christiania.....	Hamburg.....	88
Do.....	Steamship Southwark.....	Antwerp.....	209
Do.....	Steamship Ethiopia.....	Glasgow.....	216
Oct. 5	Steamship Kaiser Wilhelm der Grosse..	Bremen.....	406
Do.....	Steamship Werkendam.....	Rotterdam.....	228
Do.....	Steamship Majestic.....	Liverpool and Queenstown.....	723
Oct. 6	Steamship Fulda.....	Genoa.....	699
Do.....	Steamship Barbarossa.....	Bremen.....	319
Oct. 8	Steamship Campania.....	Liverpool and Queenstown.....	486
Do.....	Steamship Thingvalla.....	Copenhagen, etc.....	103
Do.....	Steamship Bulgaria.....	Hamburg.....	155
Total.....			4,809

THOMAS FITCHIE,  
*Commissioner.*



## QUARANTINE REPORTS.

## National quarantine and inspection stations.

[ Vessels named only when detained or given treatment at quarantine. ]

Name of station.	Week ended	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Oct. 1	Am. sc. Warren	Sept. 28	Ponce, Puerto Rico.	Brunswick	Disinfected and held.	Oct. 4	No report.	
Brunswick, Ga.	Oct. 8	Am. sc. Mary E. Morse.	Oct. 8	Gibara, Cuba.	do.	Held for disinfection.			
Cape Charles, Va.	do.	Br. ss. Herminius	do.	New Orleans.	New port News.	Inspected and held.	Oct. 8	Refused quarantine and put to sea.	8
Cape Fear, N. C.	do.	Dutch bkt. Fordham.	Oct. 4	E1 Carmen Leguna der Terminos, Mex.	Wilmington, N. C.	Disinfected and held.			1
		Br. ss. Dorset.	Oct. 7	Vera Cruz via Tampico, Habana, Nassau and New York.	do.	Held for disinfection.		5 cases remittent fever.	
Delaware Breakwater Quarantine, Del.	do.								7
Eureka, Cal.	Oct. 1	Am. sc. B. W. Morse. (a)	Sept. 17	Key West.	Ship Island.	Disinfected twice and held.		No transactions.	
Grays Harbor, Wash.	do.	Br. ss. Ethiope (a)	Sept. 18	Habana.	Galveston.	do.	Sept. 27	do.	2
Gulf Quarantine, Ship Island, Miss.	do.	Am. sc. Magnolia. (a)	Sept. 20	Progreso.	Handsboro.	Disinfected and held.	Sept. 25	2 cases yellow fever in quarantine.	
		Am. sc. Eleanor (a)	do.	Laguna de Terminos.	Pascagoula.	do.	do.		
		Am. sc. Tres Hermanos. (a)	Sept. 24	New Orleans.	do.	do.	Sept. 30		
		Am. sc. Alciope (a)	do.	do.	Biloxi.	do.		1 case yellow fever at port of departure and in quarantine.	
		Am. sc. Ruby.	Sept. 25	do.	Florella.	do.			
		Am. sc. Excel.	do.	do.	Handsboro.	do.			
		Am. ss. Kanawha	do.	Santiago de Cuba.	Mobile.	do.		1 case dysentery and 1 of malarial fever in quarantine.	
		Nor. ss. Helios.	Sept. 26	Progreso.	do.	do.		1 case malarial fever in quarantine.	

a Previously reported.

QUARANTINE REPORTS—Continued.  
National quarantine and inspection stations—Continued.

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Gulf Quarantine, Ship Island, Miss.	Oct. 1	Am. sc. Malvina S. Anderson.	Sept. 27	New Orleans.	Pascagoula.	Disinfected and held.			
		Am. sc. E. T. C. Gaspard.	do.	do.	do.	do.			
		Am. sc. M. Fletcher.	do.	do.	Scranton.	do.			
		Am. sc. A. Muscat & Sons.	do.	Habana.	Mobile.	do.			
		Am. sc. Kate S. Flint.	do.	Colon.	Ship Island.	do.		1 death from chagres fever on voyage; 3 cases in quarantine.	
		Am. sc. J. B. W. Curet.	do.	New Orleans.	Handsboro.	do.			
		Am. sc. Seven Brothers.	Sept. 28	do.	Ocean Springs.	do.			
		Nor. bk. Lovise.	do.	Rio.	Mobile.	do.			
		Br. sc. H. B. Homan.	do.	Parahyba do Norte, Brazil.	Pascagoula.	do.			
	Oct. 8							No transactions.	9
Newbern, N. C.	Oct. 1								26
Port Townsend, Wash.	Oct. 8								5
Reedy Island Quarantine, Del.									15
San Diego, Cal.	Oct. 1							29 Japanese and 329 Chinese steerage passengers from Br. ss. Gaelic bathed and their clothing and baggage disinfected.	1
San Francisco Quarantine, Cal.	do.								
South Atlantic Quarantine, Blackbeard Island, Ga.	do.							No report.	
Tortugas Quarantine, Key West, Fla.	do.							No transactions.	
Washington, N. C.	Oct. 8								

**QUARANTINE REPORTS—Continued.**  
*State and municipal quarantine stations.*  
 [Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Andote, Fla.	Oct. 8							No report.	
Baltimore, Md.	do.							do.	
Bangor, Me.	do.							do.	
Boston, Mass.	do.							do.	
Carrabelle, Fla.	do.							do.	
Cedar Keys, Fla.	Oct. 1								29
Charleston, S. C.	do.								7
Charlotte Harbor, Fla.	Oct. 1							No report.	
Elizabeth River, Va.	Oct. 8							No report.	5
Galveston, Tex.	do.							do.	
Gardiner, Oreg.	do.								15
Key West, Monroe Co., Fla.	do.								
Los Angeles, Cal.	Oct. 1							No transactions.	
Mobile Bay, Ala.	Oct. 8								10
New Orleans, La.	do.							No report.	14
Newport, R. I.	do.								
New York, N. Y.	do.							No report.	4
Providence, R. I.	Oct. 1							No transactions.	
Round Island, Miss.	Oct. 8							No report.	1
St. Helena Entrance, S. C.	Oct. 1							No transactions.	
San Pedro, Cal.	do.							Seven cases of beriberi. Two deaths at quarantine.	10
Savannah, Ga.	do.	Nor. bk. Franklen. (a)	Sept. 24	Belize	Hull	Disinfected and held	Oct. 1	No report.	
Tampa Bay, Fla.	Oct. 8								

a Previously reported.

*Reports of States and yearly and monthly reports of cities.*

CONNECTICUT—*Hartford*.—Month of September, 1898. Estimated population, 72,000. Total number of deaths, 99, including enteric fever, 2, and 5 from phthisis pulmonalis.

DELAWARE.—Reports from physicians in all parts of the State of Delaware show that in 5 places typhoid fever is quite prevalent, traceable to impure well water, made so by surface drainage and the unsanitary condition of dwelling houses, especially in the country. In a majority of the towns and their vicinity the general health of the people is very good, there being very little malaria. Quite a number of cases of typhoid and malaria are reported in this city, Wilmington. The general health of the people in the State at large is very good.

## STATE OF INDIANA.

*Mortality statistics for the period beginning October 1, 1898, and ending September 30, 1897.*

Month.	Causes of death.							
	Phthisis pulmonalis.	Smallpox.	Typhus.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
October.....	160	0	0	125	11	167	0	6
November.....	114	0	0	63	4	125	4	2
December.....	125	0	0	56	3	103	5	5
January.....	206	0	0	44	4	68	15	8
February.....	179	0	0	26	6	36	18	5
March.....	192	0	0	21	2	32	14	7
April.....	220	0	0	35	9	49	19	16
May.....	172	0	0	19	6	16	7	10
June.....	144	0	0	13	0	15	3	10
July.....	178	0	0	48	2	17	6	18
August.....	162	0	0	90	1	42	.....	12
September.....	122	0	0	115	7	45	1	4
Total.....	1,974	0	0	655	55	715	92	103
								16,252

Evansville.—Month of September, 1898. Estimated population, 70,000. Total number of deaths, 62, including enteric fever, 1; whooping cough, 1, and 3 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended October 1, 1898, from 74 observers, indicate that cholera infantum and inflammation of kidney increased in area of prevalence. Phthisis pulmonalis was reported present at 181, enteric fever at 102, scarlet fever at 29, diphtheria at 22, whooping cough at 11, measles at 7 places, and smallpox at 1 place, Detroit.

MINNESOTA—*Winona*.—Month of September, 1898. Estimated population, 24,000. Total number of deaths, 23, including 3 from phthisis pulmonalis.

NEW HAMPSHIRE—*Concord*.—Month of September, 1898. Estimated population, 18,000. Total number of deaths, 34, including enteric fever, 2; whooping cough, 1, and 3 from phthisis pulmonalis.

OHIO—*Cincinnati*.—Month of August, 1898. Estimated population, 405,000. Total number of deaths, 375, including diphtheria, 2; enteric fever, 6; whooping cough, 4, and 39 from phthisis pulmonalis.

*Youngstown*.—Month of September, 1898. Estimated population, 50,000. Total number of deaths, 34, including enteric fever, 2; whooping cough, 3, and 3 from phthisis pulmonalis.

PENNSYLVANIA—*Williamsport*.—Month of September, 1898. Estimated population, 35,000. Total number of deaths, 32. No contagious diseases.

TENNESSEE—*Chattanooga*.—Month of September, 1898. Estimated population, 40,000—white, 27,000; colored, 13,000. Total number of deaths, 40, including diphtheria, 1, and 8 from phthisis pulmonalis.

VIRGINIA—*Lynchburg*.—Month of September, 1898. Estimated population, 30,000. Total number of deaths, 30, including enteric fever, 3; whooping cough, 1, and 3 from phthisis pulmonalis.

*Petersburg*.—Month ended September 26, 1898. Estimated population, 25,000—white, 12,000; colored, 13,000. Total number of deaths, 46, including enteric fever, 6; whooping cough, 1, and 2 from phthisis pulmonalis.

WEST VIRGINIA—*Wheeling*.—Month of July, 1898. Estimated population, 37,000. Total number of deaths, 38, including enteric fever, 2.

Month of August, 1898. Total number of deaths, 49, including enteric fever, 4; whooping cough, 3, and 3 from phthisis pulmonalis.

Month of September, 1898. Total number of deaths, 32, including enteric fever, 2, and 7 from phthisis pulmonalis.



## MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—								
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicoid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.
Allegheny, Pa.	Oct. 1.	105,287	27	3								1
Do.	Oct. 8.	105,287	40	1								
Ashtabula, Ohio	Oct. 1.	8,338	10									
Do.	Oct. 8.	8,338	3	1								
Binghamton, N. Y.	do.	35,005	10	1								
Boston, Mass.	do.	448,477	227	18					10	1	1	
Bristol, R. I.	Oct. 1.	5,478	3									
Brockton, Mass.	do.	27,294	10	4								
Bucyrus, Ohio	do.	5,974	1						1			
Cambridge, Mass.	Oct. 8.	60,028	35	1								
Charleston, S. C.	Oct. 1.	654,955	640	4					2		2	1
Cincinnati, Ohio	Sept. 30.	296,908	5	5					2		2	
Do.	Oct. 7.	296,908	7	7								
Cleveland, Ohio	Oct. 8.	261,353	104	4					6	2	5	
Dayton, Ohio	do.	61,220	20	1								
Denver, Colo.	Sept. 17.	106,713	33	12					3			
Do.	Sept. 24.	106,713	32	12								
Dubuois, Pa.	do.	6,149	2	2								
Do.	Oct. 1.	6,149	2									
Erie, Pa.	do.	40,634	9						5	10		
Everett, Mass.	do.	11,068	5									
Fall River, Mass.	do.	74,398	32	3					1			
Fitchburg, Mass.	do.	22,037	5									1
Flint, Mich.	do.	9,803	1									
Grand Rapids, Mich.	Oct. 8.	60,278	13	3								
Green Bay, Wis.	Oct. 1.	9,069	4									
Haverhill, Mass.	Oct. 8.	27,412	15	2								
Hoboken, N. J.	do.	43,648	16	3					1			
Jacksonville, Fla.	Oct. 1.	17,201	45	3					25			
Jersey City, N. J.	Oct. 2.	163,003	44	6					1		1	
Johnstown, Pa.	Oct. 1.	21,805	5	1								
Do.	Oct. 8.	21,805	3						1			
Kalamazoo, Mich.	Oct. 1.	17,853	11	1					1			
Lawrence, Mass.	do.	44,654	27	1						1	2	
Lynchburg, Va.	Oct. 8.	19,709	7						1			
McKeesport, Pa.	Oct. 1.	20,741	14	1							2	
Manchester, N. H.	Oct. 8.	44,126	23	1					1			
Massillon, Ohio	Oct. 1.	10,092	3						1		1	
Medford, Mass.	Oct. 8.	11,079	4	1								
Melrose, Mass.	Oct. 1.	8,519	4	1								
Michigan City, Ind.	Oct. 8.	10,776	7							1		
Middletown, N. Y.	Oct. 7.	11,977	7									
Middletown, Ohio	Sept. 10.	7,681	2									
Do.	Sept. 17.	7,681	1									
Do.	Sept. 24.	7,681	1									
Do.	Oct. 1.	7,681	1	1								
Nashville, Tenn.	Oct. 8.	76,168	37	6					1		1	
New Bedford, Mass.	do.	40,733	25	4					1			
New Orleans, La.	Oct. 1.	242,039	145	15	5				7			
Newport, R. I.	Oct. 8.	19,457	7									
New York, N. Y.	do.	d 3,438,899	1,232	147					36	8	14	3
Norristown, Pa.	Oct. 1.	19,791	6	1								
Do.	Oct. 8.	19,791	6						1			
Omaha, Neb.	Oct. 1.	140,452	20									
Oneonta, N. Y.	Oct. 8.	6,272	2									
Orange, N. J.	do.	18,844	10								2	
Philadelphia, Pa.	Oct. 1.	1,046,964	382	43					e 24	1	30	3
Do.	Oct. 8.	1,046,964	408	42					f 14		22	2
Pittsburg, Pa.	Oct. 1.	238,617	79	6					3		3	
Pittsfield, Mass.	do.	17,281	6									
Plainfield, N. J.	do.	11,267	2									
Portland, Me.	do.	36,425	16	4								
Do.	Oct. 8.	36,425	19	2					2			
Pottstown, Pa.	Aug. 26.	13,284	2									
Do.	Sept. 2.	13,284	3									
Do.	Sept. 9.	13,284	3									
Do.	Sept. 16.	13,284	4									
Do.	Sept. 23.	13,284	2									
Do.	Sept. 30.	13,284	1						1			
Do.	Oct. 7.	13,284	4									
Providence, R. I.	Oct. 8.	132,146	61	5					3		2	2

a Estimated population, 65,165—white, 28,870; colored, 36,295.

c Among troops.

d Estimated.

e Nineteen soldiers.

f White, 9; colored, 31.

g Four soldiers.



## MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—							
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.
Pueblo, Colo.....	Oct. 1....	24,558	6	.....	.....	.....	.....	.....	.....	.....	.....
Salt Lake City, Utah.....	do.....	44,843	2	.....	.....	.....	.....	.....	.....	.....	1
San Diego, Cal.....	do.....	16,159	3	.....	.....	.....	.....	.....	.....	.....	.....
Santa Barbara, Cal.....	do.....	5,864	3	1	.....	.....	.....	.....	.....	.....	.....
Sault Ste. Marie, Mich.....	do.....	5,760	0	.....	.....	.....	.....	.....	.....	.....	.....
Scranton, Pa.....	do.....	75,215	37	.....	.....	.....	.....	.....	.....	.....	1
Do.....	Oct. 8....	75,215	27	.....	.....	.....	.....	.....	.....	.....	1
Shreveport, La.....	do.....	11,979	9	1	.....	.....	.....	.....	.....	.....	2
Spokane, Wash.....	Oct. 1....	19,922	10	1	.....	.....	.....	.....	.....	.....	.....
Taunton, Mass.....	do.....	25,448	5	1	.....	.....	.....	.....	.....	.....	.....
Do.....	Oct. 8....	25,448	12	1	.....	.....	.....	.....	.....	.....	.....
Waltham, Mass.....	Oct. 1....	18,807	6	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Oct. 8....	18,807	6	.....	.....	.....	.....	.....	.....	.....	.....
Warren, Ohio.....	do.....	5,973	3	.....	.....	.....	.....	.....	.....	.....	.....
Wilmington, Del.....	do.....	61,431	25	.....	.....	.....	.....	.....	.....	.....	.....
Winona, Minn.....	Oct. 1....	18,208	5	.....	.....	.....	.....	.....	.....	.....	1
Worcester, Mass.....	Sept. 30....	84,655	28	3	.....	.....	.....	.....	.....	.....	.....
Youngstown, Ohio.....	Oct. 8....	33,220	9	.....	.....	.....	.....	.....	.....	.....	.....

Table of temperature and rainfall, week ended October 3, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.....	52	2		.80		.44
Portland, Me.....	55	4		.80		.65
Northfield, Vt.....	49	11		.56		.38
Boston, Mass.....	58	6		.86		.63
Vineyard Haven, Mass.....	60			.96		
Nantucket, Mass.....	57	5		.81		.76
Woods Hole, Mass.....	59	4		.82		.76
Block Island, R. I.....	59	4		.80		.74
New Haven, Conn.....	59	5		.91		.39
Albany, N. Y.....	57	8		.77		.70
New York, N. Y.....	61	8		.84		.79
Harrisburg, Pa.....	59	7		.81	.67	
Philadelphia, Pa.....	62	7		.70		.52
New Brunswick, N. J.....	61	4		.81		.77
Atlantic City, N. J.....	62	3		.77		.47
Baltimore, Md.....	63	4		.79		.23
Washington, D. C.....	63	5		.75		.66
Lynchburg, Va.....	64			.81		
Cape Henry, Va.....	67			.96		
Norfolk, Va.....	66			.95		.80
Charlotte, N. C.....	66	6		.80		
Raleigh, N. C.....	64	10		.86		.62
Kittyhawk, N. C.....	69	6		.96		.06
Hatteras, N. C.....	70	6		1.47		1.02
Wilmington, N. C.....	69	6		1.30		.93
Columbia, S. C.....	70	6		.67		.27
Charleston, S. C.....	72	6		1.31	4.38	
Augusta, Ga.....	69			.61		
Savannah, Ga.....	72	6		1.16	2.13	
Jacksonville, Fla.....	74	5		1.49	2.64	
Jupiter, Fla.....	79	3		2.62		.75
Key West, Fla.....	81	2		1.72		1.58
<b>Gulf States:</b>						
Atlanta, Ga.....	68	7		.67	.19	
Tampa, Fla.....	77	4		.89	.42	
Pensacola, Fla.....	74	4		.88	11.73	
Mobile, Ala.....	72	4		.97	8.17	
Montgomery, Ala.....	71	6		.60		.37
Vicksburg, Miss.....	71	6		.61	1.72	
New Orleans, La.....	74			.89		
Shreveport, La.....	71	6		.79		.54
Fort Smith, Ark.....	67	12		.74		.74
Little Rock, Ark.....	68	7		.58	1.02	
Palestine, Tex.....	71	7		.74		.69
Galveston, Tex.....	76	3		1.23		.86
San Antonio, Tex.....	75	6		.60		.60
Corpus Christi, Tex.....	76	5		.82		.82
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	67	9		.67	2.39	
Nashville, Tenn.....	66	10		.75	.34	
Chattanooga, Tenn.....	67	8		.81		.71
Knoxville, Tenn.....	64	11		.56		.54
Louisville, Ky.....	64	11		.57		.19
Indianapolis, Ind.....	61	10		.63		.10
Cincinnati, Ohio.....	63	10		.49		.47
Columbus, Ohio.....	61	10		.56		.56
Parkersburg, W. Va.....	59	12		.70		.70
Pittsburg, Pa.....	62	8		.56		.56
<b>Lake Region:</b>						
Oswego, N. Y.....	57	9		.70	.22	
Rochester, N. Y.....	57	11		.59		.52
Buffalo, N. Y.....	57			.82		
Erie, Pa.....	59	10		.95		.95
Cleveland, Ohio.....	59	9		.74		.52
Sandusky, Ohio.....	61	8		.53		.44
Toledo, Ohio.....	59	10		.50		.50
Detroit, Mich.....	58	11		.56		.49
Lansing, Mich.....	57	9		.63		.53
Port Huron, Mich.....	56	12		.62		.48
Alpena, Mich.....	52	11		.91		.42
Sault Ste. Marie, Mich.....	49	10		.96		.78
Marquette, Mich.....	51	15		.88		.82
Green Bay, Wis.....	54	12		.67		.67
Grand Haven, Mich.....	57	10		.81		.07
Milwaukee, Wis.....	56	9		.60		.42
Chicago, Ill.....	59	9		.66		.28
Duluth, Minn.....	51	10		.74		.42

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended October 3, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	54	11	.....	.60	.....	.45
La Crosse, Wis.....	56	9	.....	.82	.....	.63
Dubuque, Iowa.....	58	9	.....	.81	.....	.73
Davenport, Iowa.....	60	10	.....	.67	.....	.63
Des Moines, Iowa.....	59	11	.....	.70	.....	.54
Keokuk, Iowa.....	62	10	.....	.74	.....	.69
Hannibal, Mo.....	61	13	.....	.63	.15	.....
Springfield, Ill.....	62	10	.....	.70	2.46	.....
Cairo, Ill.....	65	10	.....	.60	5.24	.....
St. Louis, Mo.....	64	11	.....	.70	.65	.....
<b>Missouri Valley:</b>						
Columbia, Mo.....	62	13	.....	.54	.....	.08
Springfield, Mo.....	61	13	.....	.81	.....	.77
Kansas City, Mo.....	62	13	.....	.77	.....	.76
Topeka, Kans.....	61	14	.....	.53	.....	.53
Wichita, Kans.....	62	15	.....	.53	.....	.53
Concordia, Kans.....	60	14	.....	.46	.....	.46
Lincoln, Nebr.....	61	.....	.....	.42	.....	.....
Omaha, Nebr.....	60	11	.....	.63	.....	.63
Sioux City, Iowa.....	60	7	.....	.24	.....	.24
Yankton, S. Dak.....	57	.....	.....	.53	.....	.....
Valentine, Nebr.....	57	.....	.....	.21	.....	.....
Huron, S. Dak.....	54	6	.....	.31	.....	.30
Pierre, S. Dak.....	58	7	.....	.21	.....	.21
Moorhead, Minn.....	50	8	.....	.48	.....	.16
Bismarck, N. Dak.....	51	5	.....	.24	1.19	.....
Williston, N. Dak.....	50	1	.....	.17	.92	.....
<b>Rocky Mountain Region:</b>						
Havre, Mont.....	51	.....	3	.20	1.08	.....
Helena, Mont.....	52	.....	9	.23	.....	.12
Miles City, Mont.....	54	.....	5	.14	.81	.....
Rapid City, S. Dak.....	57	2	.....	.14	.....	.13
Spokane, Wash.....	55	.....	.....	.31	.....	.....
Wallawalla, Wash.....	61	.....	7	.28	.11	.....
Baker City, Oreg.....	54	.....	3	.21	.18	.....
Winnemucca, Nev.....	55	.....	9	.21	.18	.....
Idaho Falls, Idaho.....	51	.....	5	.21	.09	.....
Salt Lake City, Utah.....	59	.....	6	.29	.60	.....
Lander, Wyo.....	50	.....	2	.18	.83	.....
Cheyenne, Wyo.....	52	5	.....	.19	.....	.19
North Platte, Nebr.....	57	7	.....	.28	.....	.28
Denver, Colo.....	57	7	.....	.21	.....	.21
Pueblo, Colo.....	60	6	.....	.10	.....	.10
Dodge City, Kans.....	62	10	.....	.28	.....	.28
Oklahoma, Okla.....	67	10	.....	.56	.....	.56
Amarillo, Tex.....	63	9	.....	.34	.....	.38
Abilene, Tex.....	68	10	.....	.56	.....	.56
Santa Fe, N. Mex.....	56	6	.....	.30	.....	.30
El Paso, Tex.....	68	6	.....	.21	.....	.21
Phoenix, Ariz.....	75	3	.....	.18	.....	.18
<b>Pacific Coast:</b>						
Seattle, Wash.....	54	.....	1	.66	.31	.....
Tacoma, Wash.....	53	.....	1	.66	1.41	.....
Fort Canby, Wash.....	56	.....	4	.98	2.56	.....
Portland, Oreg.....	57	.....	.....	.65	.....	.....
Roseburg, Oreg.....	57	.....	.....	.45	.....	.....
Redbluff, Cal.....	68	.....	7	.21	.18	.....
Carson City, Nev.....	55	.....	7	.07	.25	.....
Sacramento, Cal.....	66	.....	4	.14	.20	.....
San Francisco, Cal.....	60	.....	2	.17	.07	.....
Fresno, Cal.....	71	.....	11	.07	1.08	.....
Los Angeles, Cal.....	66	1	.....	.08	.....	.06
San Diego, Cal.....	66	.....	.....	.00	.....	.....
Yuma, Ariz.....	79	.....	.....	.04	.....	.....
San Luis Obispo, Cal.....	63	.....	2	.16	.....	.10

a The figures in these columns represent the average daily departure.

## FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

*Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 14, 1898.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong.....	Apr. 24-Apr. 30...	5	3	
India:				
Bombay.....	Nov. 24-Nov. 30.....		4	
	Dec. 1-Mar. 1.....		55	
	Mar. 2-Mar. 29.....		11	
	Mar. 30-May 24.....		16	
	June 1-June 7.....		1	
	June 20-June 28.....		2	
	July 5-July 12.....		3	
	July 19-July 26.....		4	
	July 26-Aug. 30.....		4	
Calcutta.....	Nov. 14-Dec. 4.....		42	
	Dec. 5-Jan. 1.....		31	
	Jan. 2-Jan. 29.....		28	
	Jan. 30-Feb. 26.....		82	
	Feb. 27-Mar. 26.....		95	
	Mar. 27-June 11.....		271	
	June 25-July 16.....		17	
	July 16-July 30.....		8	
	July 31-Aug. 20.....		10	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-June 10.....		43	
	May 28-June 3.....		1	
	July 9-July 22.....		43	
	July 22-July 29.....		36	
	July 30-Aug. 5.....		38	
	Aug. 6-Aug. 12.....		71	
Singapore.....	Nov. 1-Nov. 30.....		1	Cholera reported epidemic.
	Dec. 1-Dec. 31.....		1	
	Mar. 1-Mar. 31.....		1	
Japan:				
Awamori Ken.....	Aug. 17-Sept. 11.....	1		
Fukuoka Ken.....	June 27-July 27.....	1		
Fukushima Ken.....	Aug. 17-Sept. 11.....	3	2	
Higo.....	May 19-June 5.....	1	1	
Ishikawa Ken.....	June 27-July 27.....	3	2	
Kanagawa Ken.....	Mar. 24-June 26.....	15	7	
	Aug. 17-Sept. 11.....	4	3	
Okayama.....	Apr. 29-May 19.....	1		
Osaka and Higo.....	Mar. 26-June 11.....	4	2	
	May 21-May 28.....	1		
	July 16-Aug. 13.....	5	3	
Tokyo Fu.....	Apr. 11-June 15.....	14	4	
	July 23-Sept. 11.....	25	19	
Yamagata Ken.....	June 27-July 27.....	1		
Yokohama.....	Apr. 15-Apr. 29.....		1	
Straits Settlements:				
Singapore.....	June 1-June 30.....		1	

## YELLOW FEVER.

Brazil:				
Araraguara.....	Mar. 1-Mar. 31.....	4	3	
	Apr. 1-May 31.....	125	57	
Bahia.....	Dec. 27.....	3	2	
	Dec. 29.....	6		
	May 2-June 7.....	6	3	
Ceara.....	Nov. 1-Nov. 30.....		1	
Descalvado.....	May 1-May 31.....	2	1	
Jaboticabal.....	Mar. 1-Mar. 31.....	35	16	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	

Taken off of Nor. bk. Adonis.

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil—Continued.</b>				
Para.....	Jan. 16-Feb. 28.....	30	1	
Ribeirao Bonito.....	June 1-June 23.....	5	1	
	Feb. 1-Mar. 31.....	99	22	
Rio Clara.....	Apr. 1-Apr. 30.....	6	3	
	Mar. 1-Mar. 31.....	9	4	
Rio de Janeiro.....	Apr. 1-May 31.....	69	33	
	Nov. 21-Dec. 4.....	1	3	
	Dec. 5-Jan. 1.....	8	17	
	Jan. 1-Jan. 29.....	22	990	
	Jan. 30-July 29.....	40	26	
Sao Carlos de Pinhal.....	July 30-Aug. 19.....	223	58	Yellow fever reported.
	Apr. 1-May 31.....	262	90	
Santos.....	May 24.....	1	1	Yellow fever reported epidemic.
	Jan. 2-Jan. 8.....	3	3	
	Jan. 23-Jan. 29.....	21	13	
	Jan. 30-Feb. 28.....	32	52	In isolation hospital.
	Mar. 1-Mar. 31.....	103	97	84 deaths in isolation hospital.
	Apr. 1-Apr. 30.....	159	72	
	May 3-May 24.....	72	43	
Sao Paulo.....	June 4-June 18.....	4	3	
Taboticabal.....	Feb. 1-Mar. 31.....	106	42	
Tahir.....	Apr. 1-Apr. 30.....	3	1	
Victoria.....	May 1-May 31.....	3	2	
Colombia:				
Cartagena.....	Apr. 29-May 13.....	1	4	
Colon.....	June 1-June 30.....	5		Sporadic cases of yellow fever occur from time to time.
	July 1-July 30.....			
	June 6-June 22.....			
Costa Rica:				
Limon.....	June 14-Aug. 19.....	3	2	
	Aug. 16-Aug. 24.....	2	2	
	Aug. 25-Sept. 10.....			
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....	2	1	No reports received since hostilities with Spain began.
	Jan. 3-Jan. 23.....	1	0	
Gibara.....	Sept. 1-Sept. 15.....	4	6	Do.
Habana.....	Dec. 17-Dec. 30.....	9	3	
	Dec. 31-Jan. 27.....	3	4	
	Jan. 28-Feb. 17.....	29	28	No reports received since hostilities with Spain began.
	Mar. 4-Mar. 31.....	9	3	
Manzanillo.....	Sept. 16-Oct. 6.....	4	4	Do.
	Dec. 1-Dec. 31.....	2	7	Do.
	Jan. 1-Jan. 31.....	2	2	
Matanzas.....	Feb. 14-Feb. 28.....	4	1	
	Dec. 15-Jan. 19.....	1	1	
Regla.....	Feb. 9-Feb. 23.....	1	1	
	Dec. 31-Feb. 28.....	1	1	
Sagua la Grande.....	Mar. 1-Mar. 24.....	1	1	A few cases of yellow fever, but impossible to obtain statistics. No reports received since hostilities with Spain began.
	Dec. 18-Jan. 20.....	6		Yellow fever reported.
Santiago de Cuba.....	Dec. 19-Jan. 29.....	1	14	
	July 20-Aug. 2.....			
	Aug. 18.....			
Siboney.....	July 10.....			
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	1	
	Feb. 5-Feb. 19.....	2	1	
	Aug. 10.....	1	1	From steamer Darien.
St. Andrew.....	Dec. 19-Jan. 1.....	1	1	
St. Catherine.....	Feb. 27-Mar. 5.....	1	1	
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	
Mexico:				
Monterey.....	Dec. 19-Jan. 1.....			Yellow fever reported.
Tampico.....	Aug. 2.....	15	7	
	July 17-July 24.....	9	122	Reported epidemic August 6.
	July 24-July 31.....	61	61	
	Aug. 1-Sept. 4.....			
	Sept. 5-Oct. 2.....			
Vera Cruz.....	July 9.....	23	10	1 case reported.
	Aug. 14-Sept. 15.....			
	Sept. 22-Sept. 29.....			
Santo Domingo:				
Santo Domingo.....	May 7-May 14.....	1	1	

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
San Salvador.....	June 4.....	34	8	Yellow fever reported.
	July 2.....	5	2	
	July 10-Aug. 7...	33	6	
West Indies:				
Curaçoa.....	June 4.....	10	1	On H. M. S. Atkmaar. Patients taken to quarantine hospital.
Yucatan:				
Merida.....	July 8.....			Yellow fever reported.

## PLAGUE.

Arabia:				
Aden.....	July 28.....	1	1	Patient removed from steamship Carthage from Bombay.
Djiddah.....	Mar. 22-Apr. 16...		34	
Nuslah.....	Mar. 1-Mar. 25...	1		
China:				
Amoy.....	June 11.....			Plague reported. June 14, 20 deaths a day. Under date of June 14, the United States consul reports that in Amoy and three adjacent cities the deaths amount to "not less than 100 daily."
Canton.....	Mar. 22-Apr. 5...	10		
Hongkong.....	Nov. 7-Nov. 20...	2	2	
	Dec. 18-Jan. 1...	2	2	
	Jan. 2-Jan. 29...	6	5	
	Jan. 30-Feb. 26...	64	56	
	Feb. 27-Apr. 30...	596	529	
	Apr. 30-May 28...	518	443	
	June 1-June 14...	131	91	
	June 14-June 25...		134	
	June 25-July 16...		17	
Swatow.....	Mar. 25.....			Do.
Macao.....	Apr. 9.....			Do.
Shanghai.....	Apr. 23.....			On ss. Glenturret, in quarantine.
Egypt:				
Suez.....	May 5.....			1 case plague on ss. Mahale.
India:				
Bombay.....	Nov. 24-Nov. 30...		70	
	Dec. 1-Feb. 8...		4,833	
	Feb. 9-Mar. 1...		3,436	
	Mar. 2-Mar. 29...		4,579	
	Mar. 30-May 17...		2,731	
	June 1-June 28...		94	
	July 5-July 26...		122	
	July 27-Aug. 30...		467	
Calcutta.....	Apr. 25-May 4...	25	12	Plague reported. "Sporadic." May 28.
	June 25-July 30...		48	
	July 31-Aug. 27...		24	
Japan:				
Hio-go.....	May 19-June 5...	1	1	In quarantine on steamship Peru.
Osaka and Hio-go.....	May 21-May 28...	1	1	
Taiwan, Formosa.....	Dec. 28-Apr. 28...	505	84	
Formosa Ports (Taipeh-Tainan, and Taiwan.)	Apr. 29-June 15...	2,338	1,483	
Yokohama.....	Mar. 1-Apr. 11...	2	1	
Nagasaki.....	June 6-June 15...	1	1	In quarantine steamship Hikozean Maru.
Karachi.....	Apr. 6-Apr. 12...	51	31	
Russia:				
St. Petersburg.....	Mar. 26-Apr. 2...		1	
	Aug. 13.....		1	



*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Australia:				
Sydney.....	June 1-June 30...		1	
Belgium:				
Antwerp.....	May 1-May 7...	2		
	June 4-June 11...	3	2	
	July 31-Aug. 6...	1	2	
	Aug. 13-Aug. 20...	2	1	
Brussels.....	June 4-June 11...		1	
Ghent.....	May 7-May 14...		1	
	July 9-July 30...		4	
	Sept. 10-Sept. 17...		1	
Liege.....	July 23-July 30...		1	
	Aug. 13.....		1	
Bohemia:				
Prague.....	Dec. 12-Jan. 1...	11		
	Jan. 2-May 14...	151		
	June 11-June 18...	5		
Brazil:				
Bahia.....	June 11-June 25...	17		
Ceara.....	Mar. 1-Mar. 31...		10	
Montevideo.....	May 14-May 21...	1		
Pernambuco.....	Dec. 1-Dec. 25...		8	
	Apr. 15-Apr. 23...			
Rio de Janeiro.....	Nov. 21-Dec. 4...	10		
	Dec. 5-Jan. 1...	9	1	
	Jan. 1-Apr. 8...	2	1	
	July 1-July 29...	11		
Sao Paulo.....	Feb. 1-July 29...	40	13	
Sorocaba.....	Dec. 16-Jan. 30...	32	10	
British Columbia:				
Vancouver.....	June 14.....	9		
Victoria.....	May 9.....	1		
Canada:				
Halifax.....	May 14-May 28...	6		
Mallesonneuve.....	Jan. 26-Feb. 16...	3		
Montreal.....	Jan. 3-Jan. 12...	3	0	
	Feb. 11-Feb. 16...	1		
China:				
Hongkong.....	Nov. 7-Dec. 4...	6	4	
	Dec. 5-Jan. 1...	11	8	
	Jan. 2-Apr. 30...	194	113	
	May 1-May 14...		4	
	May 28-June 18...	3	2	
Cuba:				
Cardenas.....	Dec. 19-Jan. 22...		5	
	Mar. 6-Mar. 27...		8	
Cienfuegos.....	Dec. 20-Jan. 2...		7	
	Jan. 3-Jan. 23...		19	
	Feb. 7-Feb. 27...		35	
	Feb. 28-Apr. 3...		9	
Habana.....	Dec. 17-Apr. 7...		164	
Gibara.....	Sept. 1-Sept. 15...	65	10	
Matanzas.....	Jan. 20-Feb. 23...		8	
Regia.....	Feb. 18-Apr. 7...		3	
Sagua la Grande.....	Dec. 19-Jan. 29...	233	29	
	Jan. 30-Feb. 26...	470	35	
	Feb. 27-Apr. 4...	437	26	
England:				
Bristol.....	Feb. 6-Feb. 19...	1		
	July 16-July 23...	1		
Leeds.....	Mar. 19-Apr. 9...	6	4	
Liverpool.....	Jan. 15-Jan. 29...	3		
	Feb. 1-Apr. 2...	6		
London.....	Feb. 27-Mar. 26...	4		
	June 4-June 25...	1	1	
	Aug. 21-Sept. 17...	9		
Middlesborough.....	Feb. 9.....	90		
Newcastle on Tyne.....	Mar. 19-June 18...	13	2	
	June 25-July 2...		1	
Southampton.....	Jan. 8-Feb. 12...	2		
	June 18-June 25...	2	3	
	Sept. 10-Sept. 17...	5		
South Shields.....	May 7-May 14...	1		
Sunderland.....	Dec. 18-Jan. 8...	1		
	Feb. 27-Mar. 26...	4		
	June 11-June 18...	1		
West Hartlepool.....	Jan. 9-Jan. 22...	5		

Removed from vessels.  
Do.

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
France:				
Marseilles .....	May 1-May 31...	1	1	
Nantes .....	July 1-July 31...	1	1	
Paris .....	July 2-July 9...	1	1	
	July 31-Aug. 6...	1	1	
Germany:				
Bremen .....	Apr. 23-May 14...	2	2	
Hamburg .....	Mar. 6-Mar. 12...	2	2	
	July 16-July 23...	1	1	
Gibraltar .....	Dec. 6-Dec. 12...	1	1	
	Dec. 27-Apr. 3...	6	6	
	Sept. 12-Sept. 18...	1	1	
Honduras:				
Tegucigalpa .....	July 9-July 23...	2	2	
India:				
Bombay .....	Feb. 9-May 24...	32	32	
	June 20-June 28...	3	3	
	July 5-July 12...	1	1	
	Aug. 2-Aug. 30...	3	3	
Calcutta .....	Dec. 19-Dec. 25...	1	1	
	Jan. 30-May 28...	56	56	
	June 4-June 11...	2	2	
	June 25-July 16...	5	5	
	Aug. 21-Aug. 27...	1	1	
Madras .....	Nov. 27-Dec. 3...	1	1	
	Dec. 4-Dec. 31...	3	3	
	Jan. 1-Jan. 23...	6	6	
	Jan. 29-Feb. 4...	6	6	
	Feb. 5-Apr. 22...	66	66	
	Apr. 30-May 20...	12	12	
	May 20-May 27...	2	2	
	July 22-July 29...	1	1	
	Aug. 6-Sept. 2...	4	4	
Singapore .....	Mar. 1-Mar. 31...	1	1	
Italy:				
Messina .....	Dec. 12-Jan. 8...	5	5	
	Jan. 30-May 21...	5	5	
Japan:				
Aichi Ken .....	Dec. 28-June 5...	9	1	
	June 27-July 27...	4	4	
Akita Ken .....	Dec. 28-June 5...	18	4	
	June 27-July 27...	4	2	
	Aug. 17-Sept. 11...	53	16	
Awomori Ken .....	Dec. 28-Aug. 16...	244	39	
Chiba Ken .....	Dec. 28-Apr. 10...	9	9	
	June 27-July 27...	1	1	
Formosa .....	Feb. 4-Mar. 3...	7	4	
Fuku Ken .....	Dec. 28-Feb. 3...	1	1	
Fukuoka Ken .....	Mar. 24-June 5...	6	6	
Fukuoka Ken .....	Dec. 28-Aug. 16...	151	39	
Gifu Ken .....	Feb. 4-Feb. 22...	1	1	
Gumma Ken .....	Feb. 4-Feb. 22...	1	1	
Higo .....	Apr. 29-June 5...	3	3	
	June 27-July 27...	6	1	
Hiroshima Ken .....	Jan. 22-Feb. 3...	1	1	
Ishikawa Ken .....	Apr. 29-May 19...	2	2	
Iwate Ken .....	Dec. 28-June 5...	47	10	
	June 27-July 27...	4	2	
Kagoshima Ken .....	Feb. 4-Feb. 22...	1	1	
Kanagawa Ken .....	Dec. 28-Jan. 21...	3	3	
	June 27-July 27...	1	1	
Kioto Fu .....	Apr. 29-May 19...	1	1	
Kochi Ken .....	Dec. 28-Jan. 21...	1	1	
Miyagi Ken .....	Dec. 17-July 27...	107	27	
Miyazaki Ken .....	Jan. 22-Feb. 3...	3	1	
	Apr. 29-June 5...	96	7	
	June 16-June 26...	1	1	
Nagano Ken .....	Feb. 4-Mar. 23...	9	5	
	Apr. 29-May 19...	1	1	
Nagasaki Ken .....	Jan. 22-Mar. 23...	4	1	
	Apr. 29-May 19...	1	1	
Nara .....	Apr. 29-May 19...	1	1	
Niigata Ken .....	Mar. 4-Mar. 23...	4	1	
	June 16-June 26...	1	1	
Oita Ken .....	July 28-Aug. 16...	1	1	
Okayama Ken .....	Feb. 4-Apr. 10...	3	1	
	June 16-June 26...	1	1	
Osaka Fu .....	Dec. 28-June 5...	4	4	
	June 27-July 27...	1	1	
Oyama Ken .....	Mar. 4-Mar. 23...	1	1	

## Cholera, yellow fever, plague, smallpox, etc.—Continued.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Japan—Continued.</b>				
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....	
Shizuoka Ken.....	Apr. 29-May 19...	2	1	
Shiga Ken.....	May 19-June 26...	3	.....	
Tochigo Ken.....	Mar. 24-Apr. 10...	1	.....	
Tokyo Fu.....	Dec. 28-Mar. 23...	6	.....	
	June 16-July 27...	9	.....	
Tokushima Ken.....	Apr. 29-June 5...	3	.....	
Tottori.....	June 6-June 15...	1	.....	
Yamagata Ken.....	Jan. 22-Aug. 16...	48	9	
	June 27-July 27...	4	1	
	Aug. 17-Sept. 11...	8	.....	
Yamaguchi Ken.....	Feb. 4-Apr. 28...	10	1	
Yamanashi Ken.....	Mar. 24-Apr. 28...	5	1	
	June 27-July 27...	4	1	
Yehime Ken.....	Dec. 17-Apr. 10...	59	13	
	Apr. 29-June 26...	12	.....	
The Hokkaido.....	Dec. 17-June 15...	510	142	
	July 28-Aug. 16...	3	2	
Mexico:				
Nogales.....	May 13.....	4	.....	
Norway:				
Christiania.....	Mar. 20-May 21...	19	2	
	July 2-July 23...	9	1	
	July 31-Aug. 13...	4	.....	
	Aug. 13-Aug. 20...	1	1	
	Aug. 20-Aug. 27...	1	.....	
Nova Scotia:				
Halifax.....	June 4-June 11...	3	.....	At quarantine hospital.
Netherlands:				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....	
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....	
Russia:				
Moscow.....	Nov. 23-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-May 14...	63	17	
	May 21-May 28...	4	2	
	June 4-July 9...	30	11	
	July 23-July 30...	2	2	
	Aug. 27-Sept. 10...	5	1	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 29...	34	7	
	Jan. 30-July 3...	.....	21	
	July 23-Aug. 6...	7	2	
	Aug. 13-Sept. 17...	12	.....	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-July 30...	.....	80	
	Aug. 6-Aug. 27...	3	.....	
	Aug. 28-Sept. 3...	6	2	
Warsaw.....	Dec. 19-May 28...	.....	136	
	June 4-June 18...	.....	15	
	June 25-July 23...	.....	22	
	Aug. 1-Aug. 8...	.....	6	
	Aug. 13-Aug. 20...	.....	3	
	Sept. 3-Sept. 17...	.....	17	
Scotland:				
Edinburgh.....	Apr. 16-Apr. 30...	2	.....	
Glasgow.....	Dec. 5-Dec. 25...	3	1	
Leith.....	Apr. 3-Apr. 30...	2	1	
Spain:				
Corunna.....	Jan. 1-Feb. 5...	.....	2	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
	Feb. 8-Apr. 6...	.....	3	
Straits Settlements:				
Singapore.....	June 1-June 30...	.....	3	
Turkey:				
Constantinople.....	Jan. 10-Feb. 6...	.....	53	
	Feb. 28-May 8...	.....	94	
Uruguay:				
Montevideo.....	Dec. 25-Mar. 19...	5	.....	
	May 1-May 7...	.....	1	
	June 19-June 26...	1	.....	
	July 9-July 16...	2	.....	
	July 30-Aug. 6...	1	.....	
Venezuela:				
Caracas.....	June 7-July 25...	.....	.....	More than 150 cases in the city.
Puerto Cabello.....	Apr. 2-Apr. 11...	23	6	Smallpox increasing, June 7, 1898.
Valencia.....	Apr. 2-Apr. 11...	54	.....	July 23, about 1,000 cases.
Wales:				
Cardiff.....	To Aug. 21.....	2,000	600	
	Dec. 18-Dec. 24...	1	.....	

*Current quarantine measures.*

Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, September 14 and 21, 1898.]

**STRAITS SETTLEMENTS.**—According to advices of August 8, the quarantine declared March 11, against arrivals from Hongkong is suspended.

**EGYPT.**—The International Sanitary Council has declared the regulations against cholera to be in force against arrivals from Madras until further notice.

**BELGIUM.***Mortality statistics for the principal cities for the month of August, 1898.*

[Translated in this Bureau from the monthly reports of the Société Royale de Médecine Publique.]

Locality.	Popula- tion.	Causes of death.							
		Phthisis pul- monalis.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Antwerp.....	282,872	0	0	0	2	25	3	8	2
Bruges.....	50,990	2	0	0	0	10	3	6	0
Brussels.....	205,451	33	0	0	5	1	1	3	2
Courtrai.....	32,949	1	0	0	0	0	0	6	6
Liege.....	168,100	20	0	0	0	0	1	1	1
Louvain.....	41,906	9	0	0	0	0	0	0	0
Mechlin.....	54,848	1	0	0	0	0	0	0	0
Namur.....	32,732	0	0	0	1	4	0	0	0
Seraing.....	37,832	2	0	0	0	0	0	0	0
Tournai.....	36,214	0	0	0	0	0	0	0	0
Verviers.....	52,726	3	0	0	0	0	0	0	0
Total.....	996,620	71	0	0	8	40	8	24	11
									1,506

**BERMUDA.***Report of the registrar-general for the year 1897.*

This report is always one of unusual interest. The one under review, the 31st annual report, was prepared by Mr. F. Goodwin Gosling, acting registrar-general. It contains the various tables which supply a fund of vital statistics of value to the whole community. Regarding the report itself, we shall content ourselves with the comparisons made between the annual and decennial returns to gain space for further extracts.

"The births registered during the year numbered 572, a decrease compared with 1896 of 15, and with the decennial average of 6.3. The marriages numbered 124, an increase, compared with 1896, of 24, and with the decennial average of 12.6. The deaths numbered 385, an increase, compared with 1896, of 10, with the decennial average of 9.5."

Dr. Hay (Robt. Hay, M. D.) deputy inspector-general, supplies the medical and surgical report of the royal naval forces at Bermuda between January 1 and December 31, 1897. We copy therefrom the appended remarks:

"The average daily mean strength of the naval forces at Bermuda during the year 1897, corrected for the time each ship remained at the

port, is 1,657, a decrease of 102 as compared with the previous year. This included 479 men employed in the dockyard.

"The number of cases of disease and injury under treatment during the year, from the service afloat, including 51 remaining in hospital from previous year, was 306, and 9 from the dockyard. Total, 315, an increase on the previous year of 13.

"The most prevalent diseases were venereal affections and their sequelæ, diseases of the respiratory system, diseases of the digestive and intestinal systems, and local injuries.

"There have been a few other affections of minor importance. There has been no epidemic of any kind in Ireland Island throughout the year. The water supply is good and efficient. There have been only 4 cases of enteric fever admitted during the year, but the disease was not contracted in Ireland Island.

"The number of women and children on the island is, approximately, 500.

"Amongst the dockyard residents on Ireland Island there have been: Births, 12, 8 male, 4 female; deaths, 3, 1 cerebral tumor, 1 infantile diarrhæa, 1 heat stroke; epidemics, nil."

Dr. Leake (George D. Leake, brig.-surgeon, lieutenant-colonel, A. M. S., senior medical officer) furnishes the table of the health of the troops in the Bermuda command, 1897, which we quote:

"The general health of the troops has been good.

Average strength of the garrison.....	1,521
Number of admissions to hospital.....	687
Ratio of admissions per 1,000 of strength.....	451.68

Number of deaths—

Enteric fever.....	7
Tubercle of lung.....	3
Pneumonia.....	1
Sunstroke.....	1
Suffocation from submersion....	2
Fracture of skull.....	1
Fracture of spine.....	1

Total ..... 16

Average number of daily sick.....	40.64
Average sick time to each other.....	9.75
Average duration of each case of sickness.....	21.59

Officers—

Average strength.....	67
Cases of sickness.....	20

Deaths—

Suffocation from submersion.....	1
Wound of skull.....	1
Total.....	2

Women—

Average strength.....	112
Cases of sickness.....	64

Death—fracture of skull ..... 1

Total... 1

Children—

Average strength.....	243
Cases of sickness.....	126



## Deaths—

Debility .....	1
Eclampsia.....	1
Inflammation of membrane of brain.....	1
Enteritis .....	1
Diarrhea .....	1
Total .....	5

Corporal E. J. Harris, medical staff corps, prepared the table of meteorological observations made at the observatory, Prospect Hill, 1897, which clearly shows general results. We quote the summary note attached:

Mean atmospheric pressure for the year.....	30.132 inches
Mean temperature of the air for the year.....	70.0 degrees
Mean relative humidity for the year.....	84.0 per cent
Mean hourly velocity of wind for the year.....	8.8 miles
Total amount of rainfall for the year.....	59.40 inches
Difference of rainfall from average of the past seven years.....	4.89 inches less
Rain fell on one hundred and eighty-one days during the year.	

## BRAZIL.

*Sanitary report from Bahia.*

## CONSULATE OF THE UNITED STATES,

*Bahia, Brazil, September 3, 1898.*

SIR: Recently the Department sent me a number of blank forms to be, from week to week, filled out and transmitted to the Treasury Department and to show the sanitary condition of this port.

I beg leave to inform you that it is impossible for me to obtain any information along that line from the sanitary authorities of this port, and unless such information as may be gathered from other sources would be acceptable, I shall be unable to comply with the request.

The inspector of hygiene tells me that it is impossible to give the number of deaths in the city until the various cemeteries make reports of their interments, and at that date any report would be too late for our use, as they only make the report semiannually.

I have from time to time tried to get the authorities to state the number of cases of yellow fever and have never been able to get accurate and reliable information. At one time recently when I had three friends down with yellow fever the health board declared that there was not a case here and that there had not been a case here for months.

A few days since the British consul here received a letter from the Barbados board of health asking him to explain the reason why the British bill from this port was clean and that mine showed smallpox and yellow fever, and the consul requested me as a favor to him to state where I obtained my information, and also to state my opinion of the health of Bahia. To explain more fully the above, I quote from my reply to him under date of September 1: "You ask me to inform you as to where I obtain my information relative to the health of Bahia. You are doubtless aware of the fact that it is impossible to obtain information from the city board of health, and that being so, I am forced to rely upon such information as I may be able to gather at the different hospitals and from the doctors whom I meet there and elsewhere. As I am a doctor and bacteriologist myself and take particular interest along that line, I doubtless hear of and know of cases



which, unless you were pursuing a similar method, would not come to your notice.

"The number of cases of smallpox in the city of Bahia I gather from the *Correo de Noticias*, where each day it can be found under the head of *Variola*. I am of the opinion that there are always more cases than are shown in the paper, as the paper only reports the number in the smallpox hospital, and a great number of cases never get there.

"You ask me to give my professional opinion of the present state of health in Bahia. I consider that at present Bahia is healthy. The smallpox that is here is confined almost exclusively to the negro population in the dirtier and less frequented portion of the city, and the few cases of yellow fever that occur from time to time are sporadic and confined to the newcomers. As all ships coming to this port anchor out in the harbor, and there is from a five to seven foot tide to wash the harbor out, and, in addition to this, the sailors seldom come on shore and never come in contact with or go in the portion of the city where the yellow fever and smallpox are, I can not see that there is any especial danger of them carrying infection, and particularly so if after a voyage of fourteen or more days no sickness has appeared on board since they left here."

It would be possible for me to furnish the Treasury Department on consular sanitary blanks information as gathered by the above method, and, though there would always be as many cases of the different diseases as would be noted, yet it would doubtless seldom contain all the cases existing here.

There seems to be a great desire on the part of the officials to conceal cases and deaths, and that, coupled with the fact that the doctors many times desire to conceal cases in families of prominence, renders it impossible to obtain exact numbers.

Knowing all the facts, if the United States Marine-Hospital Service cares for information so obtained, I shall be pleased to furnish it.

I have the honor to remain, dear sir, your obedient servant,

H. W. FURNISS,

*United States Consul.*

HON. THIRD ASSISTANT SECRETARY OF STATE.

*Sanitary report from Santos.*

DEPARTMENT OF STATE,  
Washington, D. C., October 1, 1898.

SIR: I have the honor to inclose for the information of the Supervising Surgeon-General United States Marine-Hospital Service, a copy of a report from Mr. G. Rosenheim who is at present in charge of our consulate at Santos, Brazil, relative to contagious and other diseases at that port.

Respectfully, yours,

JOHN HAY,  
*Secretary of State.*

HON. SECRETARY OF THE TREASURY.

[Inclosure.]

*Contagious diseases in Santos and the state of Sao Paulo.*

Inclosed I beg to transmit a table showing the number of cases of contagious and certain other diseases in the city of Santos, and which I have compiled as per request of Mr. Frederick L. Hoffman, 761 Broad street, Newark, N. J. The respective figures have been taken from the "*Boletin Mensal de Estatistica Demographo Sanitaria*" (monthly reports of the board of health of the state of Sao Paulo) of which 54 copies

appeared so far, but of which only those for April, 1897, to June, 1898, are found in the archives.

*Yellow fever.*—The official figures are not supposed to be quite correct, and most likely comprise all cases treated in the Hospital do Isolamento (yellow fever hospital), while some cases in private houses are either not reported at all or given under different names. The reason for this may either be the want of a correct diagnosis or a manipulation on the part of the physicians to serve their personal or economical interests, it being prohibited by regulations to treat fever cases in private clinics.

It may also be, that the sanitary commission is doing its best through such statements, to secure a better reputation for Santos which is still considered to hold the world's record as a death trap.

Notwithstanding these facts, there is no doubt whatever, that many improvements have been made during the last years, although much more could have been done with the heavy amount of money (600 contos or an average of about \$120,000 a year).

The Brazilian press has openly accused the administration of having wasted it.

As soon as we shall have new abundant water supply (by the end of this year) executed by the City of Santos Improvement Company (British) the conditions are expected to improve. The chairman of said company declared at the last general meeting of shareholders:

"When the new works are completed the company will be able to supply Santos with water in a way such as no other city in South America is supplied." The same company is trying to obtain the concession of the Government to execute all the sanitary work recommended by the board of health (commissao de saneamento), by advice of Dr. Tuerkes of Boston, the works comprising the leveling or filling up of lower parts to obtain drainage (Santos is lying 1½ meters above the level of the sea, mean tide). The laying of sewers and cloaca, disinfection, etc., all not unlike the works in New Orleans some years ago, also planned by the same Dr. Tuerkes.

*Companhia das Docas.*—The works of the Companhia das Docas (Santos Dock Company), is progressing regularly and the four kilometers of quay will probably be ready before the last extension of the concession expires, viz, end of 1899. Twenty-seven hundred meters are already constructed and in use. It is considered that the dragging and constant stirring of the mud along the shore side have contributed much to the horrible epidemics of former years.

*Mortality.*—The greatest percentage of the mortality of yellow fever is chiefly to be found amongst the working classes which consist of Spaniards, Portuguese and Italians (the Brazilian does no manual work). The workmen of said dock company as well as those employed in shipping in general have suffered most.

*Smallpox.*—The smallpox hospital which had been closed for several months had to be reopened in the middle of June, as a few cases of said disease reappeared. It should be added that only negroes and mulattoes are apt to get it.

*Hospitals.*—The hospitals in general are in good condition and properly administered; this being especially the case with the yellow fever hospital. There are in all four general hospitals: (1) general hospital, (2) Portuguese hospital, (3) yellow fever hospital, (4) smallpox hospital. All of which are free, excepting a few special and separate wards in each.

*Interior of the state of Sao Paulo.*—As far as the interior is concerned, it may be said that nearly all the towns and villages are contaminated with yellow fever, and also some bad forms of typhoid fever. On the outbreak of such epidemics people rushed out of the places and consequently spread the disease, but the true reason is the defective or complete lack of drainage. The towns which have suffered most are Naraquara, Sao Carlos do Pinhal, Limeira, Ribeiro, Banito, Espirito Santos do Pinhal, which at times have been abandoned.

*Sao Paulo City.*—The last official figures for Sao Paulo (city) are put down at 260,000 inhabitants. Quite a number of typhoid fever cases have appeared, but as to yellow fever only isolated cases have occurred.

A quite efficient sanitary system was projected and the work commenced long ago. A large supply of material is there, but now the Government does not supply funds to carry it out, and since July all further work is suspended. On account of the unsatisfactory finances of the state, as well as the whole country, it probably will not be resumed for some time to come.

GEORGE ROSENHEIM,  
Acting Vice-Consul.

## CUBA.

*Sanitary report from Gibara.*

PORT OF GIBARA, CUBA, September 22, 1898.

SIR: I respectfully submit the following statement of the health conditions existing in Gibara for the fifteen days ending September 15, 1898:

	No. of cases.	Deaths
<b>Infectious diseases—</b>		
Smallpox (in town).....	65	10
Yellow fever (in hospital).....	4	0
Typhoid fever (in hospital).....	5	0
Dysentery (in hospital).....	13	2
Pleuro-pneumonia (in hospital).....	1	0
Tuberculosis (in hospital).....	6	0
Malarial diseases (in hospital).....	110	2
Rheumatism (in hospital).....	10	0
Chronic diarrhea (in hospital).....	69	4
Chloro-anemia (in hospital).....	30	0
Other medical diseases (in hospital).....	32	0
Wounds (in hospital).....	6	0
Surgical diseases (in hospital).....	41	0
Parasitic skin diseases (in hospital).....	27	0

The yellow fever has subsided and of late there are no reported cases. The number of smallpox cases is somewhat less than prevailed last month, when there were 34 deaths from this disease. No vaccination is being done owing to the scarcity and poor quality of the virus obtainable.

F. L. PLEADWELL,  
Assistant Surgeon, U. S. V.

The SUPERVISING SURGEON-GENERAL,  
U. S. Marine-Hospital Service.

*Sanitary report from Habana.*

HABANA, CUBA, October 7, 1898.

SIR: I have the honor to submit the following report for the week ended Thursday, October 6, 1898:

Yellow fever does not exist to the same extent as it has existed during the past two years, the reason being that during the past eight or ten months but little material has been present on which the fever could feed. But few Spanish soldiers were brought here between January 1 and April 21, the latter date being the day when this port was closed to the outside world.

Since the opening of the blockade probably 200 Americans have arrived here, of which number about one-half remain.

Four deaths from yellow fever have occurred among these Americans during the past two months.

The American bark *Maryland*, formerly a Spanish vessel and an old Cuban trader, was bought by 2 Americans at Key West, Fla., stocked with meat and other provisions, and sailed for this port, arriving here about the middle of August. The vessel brought a crew of 8, discharged her cargo at the Caballeria wharf, on the Havana side of the harbor, and after remaining there for several weeks, during which time the owners and crew slept aboard the vessel, she was taken out and anchored in the open bay.

Yellow fever first developed in the persons of the owners, both of

whom died; the master was then taken sick, and died October 5; 2 of the crew were then taken sick and removed to the hospital. I boarded the vessel yesterday, Thursday, October 6, and found 2 more of the crew sick. The first day of their illness 1 man, in my opinion, did not have yellow fever, the other probably has the disease.

Out of the original complement of 10 persons, but 3 remain well. Efforts are being made to obtain a new crew to take the vessel to Baltimore.

I have advised, and my advice will be favorably acted upon, that the vessel proceed to the Tortugas quarantine station, which is only 90 miles distant, for disinfection. This course being the only prudent one, as the vessel is undoubtedly infected, and a ten to fifteen day trip to Baltimore would develop other cases.

Malarial fevers in fatal forms exist to a marked extent; the natives seem to suffer very much and furnish the greatest number of deaths. Enteric fever and enteritis furnish over one-fifth the total deaths for the week. There has been no death from smallpox in over two weeks, and there are but a few cases here. The city is even dirtier than ever, if such a thing could be possible. The rains continue to fall in the afternoon about four days in each week.

The weather has been extremely warm, but under the influence of a northeast gale the temperature at the present writing is much cooler.

The mortality table attached to this report shows the greatest mortality of any week since my arrival here, May 1, 1897.

The physical condition of the country people (I refer to the reconcentrado class) is appalling; a conservative estimate would place nearly 50 per cent as permanent physical wrecks.

The cost of living exceeds that of the period immediately before the war; work is not obtainable, and these people are in the last stages of elimination by want of food.

Very respectfully,

W. F. BRUNNER,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

*Mortality of the city of Habana for the week ended Thursday, October 6, 1898.*

Yellow fever.....	9
Enteric fever .....	46
Malarial fever .....	57
Pernicious fever .....	32
Smallpox .....	0
Enteritis .....	74
Dysentery .....	28
Tuberculosis.....	60
Pneumonia .....	5
Starvation.....	3
Diphtheria .....	1
Total.....	315
Deaths from all causes.....	536
Deaths in military hospitals from yellow fever .....	6
Deaths in the city from yellow fever.....	3
Annual ratio per 1,000.....	139.36

## JAPAN.

*Sanitary report from Yokohama.*YOKOHAMA, JAPAN, *September 12, 1898.*

SIR: I have the honor to forward herewith my regular report of infectious disease in Japan for period of August 17 to September 11, inclusive.

It will be observed that a few cases of cholera are returned from Tokyo and from Kanagawa Ken. Of those occurring in the latter district but one was in Yokohama, and is still under treatment. Granting that these cases are genuine, there is, I think, but little reason to anticipate an epidemic so late in the year.

Dysentery is not only increasingly prevalent, but, as will be seen, the death rate therefrom has greatly increased also.

YOKOHAMA, JAPAN, *September 8, 1898.*

SIR: I have the honor to report that during the months of July and August of the present year I inspected the vessels below named, all being free from infectious disease at the time of inspection:

Date.	Steamer or vessel.	Destination.
July 2	British steamship Benmohr.....	New York via ports.
July 7	Hawaiian steamship Aztec.....	San Francisco.
July 11	British steamship Mogul.....	Portland via Victoria.
July 12	American sailing vessel Baring Brothers.....	New York via Kobe.
Do....	American sailing vessel W. H. Macy.....	Port Townsend.
July 13	British sailing vessel Sir Robert Fernie.....	Do.
July 15	British steamship Tacoma.....	Tacoma via Victoria.
July 16	British steamship Doric.....	San Francisco via Honolulu.
Do....	British steamship Craigearn.....	New York via ports.
July 25	British sailing vessel Glenmark.....	Portland.
July 26	British sailing vessel Rockhurst.....	Astoria.
July 27	British steamship Sikh.....	New York via ports.
July 29	American sailing vessel W. H. Starbuck.....	Port Townsend.
Do....	British sailing vessel Duntrune.....	Portland.
Do....	British steamship Glenfarg.....	San Francisco via Honolulu.
Do....	Japanese steamship Riojun Maru.....	Seattle.
Do....	British steamship Victoria.....	Tacoma via Victoria.
Aug. 2	British steamship Indrapura.....	New York via ports.
Aug. 4	American sailing vessel Pactolus.....	New York via Kobe.
Aug. 6	British steamship Belgic.....	San Francisco via Honolulu.
Aug. 16	British sailing vessel Hougomont.....	Astoria.
Aug. 18	British steamship Glengyle.....	San Francisco via Honolulu.
Do....	Japanese steamship Kinshiu Maru.....	Seattle.
Aug. 19	British steamship Olympia.....	Tacoma via Victoria.
Aug. 24	British steamship Coptic.....	San Francisco via Honolulu.
Do....	American sailing vessel Alexander Gibson.....	New York via Kobe.
Aug. 27	British steamship Braemar.....	Portland.
Aug. 31	American sailing vessel Manuel Llaguno.....	New York via Kobe.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE, M. D.,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*



*Report of infectious disease in Japan from August 17 to September 11, 1898.*

Locality.	Plague.		Cholera.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....					153	49		
Osaka Fu.....					265	43		
Tokyo Fu.....			7	4	638	172		
Aichi Ken.....					433	135		
Akita Ken.....					40	8		
Awamori Ken.....			1		51	11	53	16
Chiba Ken.....					528	157		
Fukui Ken.....					84	36		
Fukuoka Ken.....					161	27		
Fukushima Ken.....			3	2	324	39		
Gifu Ken.....					549	119		
Gumma Ken.....					1,412	378		
Hiogo Ken.....					804	262		
Hiroshima Ken.....					459	172		
Ibaraki Ken.....					901	246		
Ishikawa Ken.....					75	19		
Iwate Ken.....					66	10		
Kagawa Ken.....					361	125		
Kagoshima Ken.....					178	41		
Kanagawa Ken.....			4	3	916	259		
Kochi Ken.....					101	24		
Kumamoto Ken.....					463	82		
Miyagi Ken.....					181	26		
Miyazaki Ken.....					56	11		
Miye Ken.....					183	59		
Nagano Ken.....					2,273	420		
Nagasaki Ken.....					293	56		
Nara Ken.....					95	39		
Niigata Ken.....					2,159	385		
Oita Ken.....					178	41		
Okayama Ken.....					504	139		
Okinawa Ken.....					7	1		
Saga Ken.....					186	54		
Saitama Ken.....					983	305		
Shizuoka Ken.....					1,611	436		
Shiga Ken.....					93	32		
Shimane Ken.....					606	157		
Tochigi Ken.....					223	42		
Tokushima Ken.....					482	123		
Tottori Ken.....					175	49		
Toyama Ken.....					54	18		
Wakayama Ken.....					171	53		
Yamagata Ken.....					9	1	8	
Yamaguchi Ken.....					293	43		
Yamanashi Ken.....					2,801	581		
Yehime Ken.....					176	49		
The Hokkaido.....					12	9		
Taiwan (Formosa).....			(a)					
Total.....			15	9	22,667	5,543	61	16

a No report.



## STATISTICAL REPORTS.

**AFRICA**—*Lorenzo Marquez—Delagoa Bay.*—Month of July, 1898. Estimated population, 4,902. Total number of deaths, 42. No report on contagious diseases.

**AUSTRALIA**—*New South Wales—Sydney.*—Estimated population, 417,250. Total number of deaths, 625, including diphtheria, 11; enteric fever, 3; measles, 36; scarlet fever, 4; whooping cough, 2, and 64 from phthisis pulmonalis.

**BERMUDA.**—Four weeks ended September 23, 1898. Estimated population, 15,013. No deaths and no contagious diseases.

**CANADA**—*Hamilton.*—Month of September, 1898. Estimated population, 51,000. Total number of deaths, 44, including 1 from diphtheria.

**COSTA RICA**—*Port Limon.*—From September 11 to September 22, 1898. Estimated population, 1,200. Total number of deaths, 13, including 3 from yellow fever.

*Demerara.*—Month of August, 1898. Estimated population, 82,250. Total number of deaths, 255, including 1 from diphtheria.

**GREAT BRITAIN**—*England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended September 24 correspond to an annual rate of 23.6 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Gateshead, viz, 38.7, and the lowest in West Ham, viz, 16.2.

*London.*—One thousand eight hundred and sixty-three deaths were registered during the week, including measles, 12; scarlet fever, 9; diphtheria, 29; whooping cough, 31; enteric fever, 9, and diarrhea and dysentery, 347. The deaths from all causes correspond to an annual rate of 21.6 a thousand. In greater London 2,518 deaths were registered, corresponding to an annual rate of 20.5 a thousand of the population. In the "outer ring" the deaths included 12 from diphtheria, 6 from measles, and 8 from whooping cough.

*Ireland.*—The average annual death rate represented by the deaths registered during the week ended September 24 in the 23 principal town districts of Ireland was 23.6 a thousand of the population. The lowest rate was recorded in Drogheda and Dundalk, viz, 0.0, and the highest in Wexford, viz, 40.6 a thousand. In Dublin and suburbs 181 deaths were registered, including enteric fever, 5; scarlet fever, 1; measles, 1; typhus, 1, and whooping cough, 4.

*Scotland.*—The deaths registered in 8 principal towns during the week ended September 24 correspond to an annual rate of 19.7 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Perth, viz, 13.6, and the highest in Glasgow, viz, 21.4 a thousand. The aggregate number of deaths registered from all causes was 595, including diphtheria, 7; measles, 4; scarlet fever, 6, and whooping cough, 22.

*Dundee.*—Month of August, 1898. Estimated population, 163,090.

Total number of deaths, 253, including diphtheria, 2; measles, 16; scarlet fever, 1; whooping cough, 4, and 25 from phthisis pulmonalis.

MALTA.—Two weeks ended August 31, 1898. Estimated population, 177,745. Total number of deaths, 198, including 4 from enteric fever.

MANITOBA—Winnipeg.—Month of September, 1898. Estimated population, 45,000. Total number of deaths not reported. Four deaths from enteric fever.

RUSSIA—Riga.—Month of July, 1898. Estimated population, 282,000. Total number of deaths, 474, including enteric fever, 4; measles, 3; scarlet fever, 4; whooping cough, 7, and 29 from phthisis pulmonalis.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles. Whooping cough.
Amsterdam.....	Sept. 24.....	509,389	209	.....	.....	.....	.....	2	.....	.....	1 4
Antwerp.....	Sept. 17.....	282,872	103	.....	.....	2	.....	.....	2	.....	.....
Barranquilla.....	Sept. 10.....	40,000	20	.....	.....	.....	.....	.....	.....	1	.....
Do.....	Sept. 17.....	40,000	19	.....	.....	.....	.....	.....	.....	.....	.....
Belfast.....	do.....	304,610	179	.....	.....	.....	.....	39	.....	2	4
Do.....	Sept. 24.....	304,610	169	.....	.....	.....	.....	33	1	.....	2 3
Berlin.....	Sept. 10.....	1,728,201	704	.....	.....	.....	.....	1	6	12	1
Birmingham.....	Sept. 17.....	510,343	199	.....	.....	.....	.....	1	.....	2	.....
Do.....	Sept. 24.....	510,343	220	.....	.....	.....	.....	2	1	1	4
Bradford.....	Sept. 17.....	231,260	109	.....	.....	.....	.....	.....	.....	2	4
Do.....	Sept. 24.....	231,260	98	.....	.....	.....	.....	2	1	.....	1
Bristol.....	Sept. 10.....	316,900	124	.....	.....	.....	.....	.....	.....	5	1 2
Do.....	Sept. 17.....	316,900	118	.....	.....	.....	.....	1	.....	.....	3
Do.....	Sept. 24.....	316,900	135	.....	.....	.....	.....	.....	.....	2	3
Brussels.....	Sept. 17.....	551,011	157	.....	.....	.....	.....	6	.....	.....	1
Budapest.....	do.....	640,000	.....	.....	.....	2	.....	4	3	5	.....
Calcutta.....	Aug. 27.....	681,560	α 354	4	.....	1	.....	.....	.....	2	.....
Chemnitz.....	Sept. 17.....	172,840	111	.....	.....	.....	.....	.....	.....	.....	.....
Christiania.....	Sept. 24.....	207,000	64	.....	.....	.....	.....	1	1	2	.....
Cologne.....	Sept. 17.....	348,836	196	.....	.....	.....	.....	.....	.....	3	3
Copenhagen.....	do.....	351,000	120	.....	.....	.....	.....	7	1	2	1
Dresden.....	Sept. 10.....	385,300	168	.....	.....	.....	.....	.....	.....	2	1 2
Do.....	Sept. 17.....	385,300	149	.....	.....	.....	.....	.....	.....	1	2
Dublin.....	do.....	349,594	182	.....	.....	.....	.....	3	.....	1	1 4
Do.....	Sept. 24.....	349,594	181	.....	.....	.....	.....	1	5	1	1 4
Dundee.....	Sept. 10.....	164,575	70	.....	.....	.....	.....	.....	.....	1	4
Do.....	Sept. 17.....	164,575	59	.....	.....	.....	.....	1	1	.....	1
Do.....	Sept. 24.....	164,575	62	.....	.....	.....	.....	.....	.....	1	.....
Edinburgh.....	Sept. 17.....	295,628	93	.....	.....	.....	.....	1	1	6	6
Do.....	Sept. 24.....	295,628	114	.....	.....	.....	.....	2	2	1	2
Flushing.....	do.....	17,397	8	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort on the Main.....	do.....	245,000	86	.....	.....	.....	.....	.....	.....	.....	2
Ghent.....	do.....	161,125	76	.....	.....	.....	.....	.....	.....	.....	.....
Gibraltar.....	Sept. 18.....	25,900	3	.....	.....	.....	.....	.....	.....	.....	.....
Girgenti.....	Sept. 17.....	24,428	5	.....	.....	.....	.....	.....	.....	.....	.....
Glasgow.....	do.....	724,349	276	.....	.....	.....	.....	6	.....	3	1 7
Gothenburg.....	do.....	120,552	40	.....	.....	.....	.....	.....	.....	.....	.....
Halifax.....	Oct. 1.....	38,700	15	.....	.....	.....	.....	.....	.....	.....	.....
Hamburg.....	Sept. 24.....	661,015	340	.....	.....	.....	.....	.....	2	2	6
Hamilton, Bermuda.....	Sept. 20.....	15,013	0	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 27.....	15,013	0	.....	.....	.....	.....	.....	.....	.....	.....
Havre.....	Sept. 10.....	119,470	82	.....	.....	.....	.....	2	.....	.....	1
Hongkong.....	Aug. 20.....	248,710	91	.....	.....	.....	.....	1	.....	.....	.....
Kingston, Canada.....	Oct. 7.....	18,800	1	.....	.....	.....	.....	.....	.....	.....	.....
Königsberg.....	Sept. 24.....	179,686	.....	.....	.....	.....	.....	.....	.....	1	.....
Leeds.....	do.....	416,618	165	.....	.....	.....	.....	2	2	1	1
Leghorn.....	Sept. 25.....	104,372	38	.....	.....	.....	.....	3	.....	.....	.....
Leipsic.....	Sept. 17.....	422,071	230	.....	.....	.....	.....	1	.....	1	.....
Leith.....	do.....	76,277	29	.....	.....	.....	.....	.....	.....	.....	1
Do.....	Sept. 24.....	76,277	27	.....	.....	.....	.....	.....	.....	1	3

α Plague, 4.

## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Liege.....	Sept. 10.....	168, 100	47								1
Do.....	Sept. 17.....	168, 100	47								1
Liverpool.....	do.....	668, 645	363			1	3	3	3	3	1
Do.....	Sept. 24.....	668, 645	355				4	2	4	4	2
Livingston, Guatemala.....	do.....	1, 500	4								
Lyons.....	Sept. 10.....	6, 408, 321	2, 485					9	4	40	9
Do.....	Aug. 6.....	466, 028	185					3	1	1	3
Do.....	Aug. 13.....	466, 028	146					1		1	2
Do.....	Aug. 20.....	466, 028	226					3		1	
Do.....	Aug. 27.....	466, 028	305					8	1	1	2
Do.....	Sept. 3.....	466, 028	149					1	1	1	2
Do.....	Sept. 10.....	466, 028	202					8	1	1	
Madras.....	Aug. 26.....	452, 518	603	77	12						8
Do.....	Sept. 2.....	452, 518	447	63	1						9
Magdeburg.....	Sept. 3.....	223, 072	149					2			6
Manchester.....	Sept. 10.....	541, 296	309					1	1	5	3
Do.....	Sept. 17.....	541, 296	318					2	2	4	1
Do.....	Sept. 24.....	541, 296	332					1	2	2	2
Mannheim.....	Sept. 17.....	109, 714	41					1			
Maracaibo.....	Aug. 27.....	50, 000	12								
Do.....	Sept. 3.....	50, 000	16								
Do.....	Sept. 10.....	50, 000	10								
Do.....	Sept. 17.....	50, 000	14								
Matamoras.....	Sept. 30.....	16, 304	8								
Mayence.....	Sept. 24.....	76, 984	39								1
Montevideo.....	Aug. 27.....	215, 061	71					1			2
Do.....	Sept. 3.....	215, 061	64								1
Moscow.....	Sept. 10.....	1, 000, 000	602			1	10	3	15	4	6
Newcastle on Tyne.....	Sept. 17.....	186, 345	141								1
Do.....	Sept. 24.....	186, 345	120					1	1		3
Odessa.....	Sept. 17.....	383, 000	161					3	2	2	1
Palermo.....	do.....	300, 000	119			1					2
Paris.....	Sept. 3.....	2, 511, 629	911					4	3	4	10
Do.....	Sept. 10.....	2, 511, 629	964					9	2	1	8
Do.....	Sept. 17.....	2, 511, 629	867					6		1	11
Do.....	Sept. 24.....	2, 511, 629	832					7	1	1	12
Plymouth.....	do.....	99, 136	36								1
Prague.....	Sept. 17.....	198, 320	107					3	4		1
Puerto Cabello.....	Sept. 24.....	17, 000	0								
Queenstown.....	Sept. 17.....	15, 000	2								
Do.....	Sept. 24.....	15, 000	5								
Rotterdam.....	do.....	304, 838	130					2			
St. Johns.....	do.....	15, 000	15								
St. Stephen, New Brunswick.....	Oct. 1.....	3, 000	0								
Schiedam.....	Sept. 24.....	26, 684	11								
Sheffield.....	Sept. 17.....	359, 700	200					4			4
Do.....	Sept. 24.....	359, 700	178					2	1		4
South Shields.....	Sept. 17.....	98, 922	49					1	1	1	4
Do.....	Sept. 24.....	98, 922	53					5			2
Stettin.....	Sept. 17.....	150, 000	67					2			
Stockholm.....	do.....	283, 550	91							1	
Stuttgart.....	Sept. 22.....	162, 934	68								
Sunderland.....	Sept. 17.....	143, 849	112					1	1		1
Do.....	Sept. 24.....	143, 849	102						5		3
Tampico.....	Oct. 2.....	14, 000	34		11						
Trapani.....	Sept. 17.....	45, 065	17								
Tuxpan.....	Sept. 3.....	10, 280	12								
Do.....	Sept. 10.....	10, 280	15								
Do.....	Sept. 17.....	10, 280	15								
Venice.....	do.....	169, 545	67					3			3
Vera Cruz.....	Sept. 29.....	30, 000	62		10					1	
Vienna.....	Sept. 10.....	1, 590, 295	538					4	6	4	3
Warsaw.....	Sept. 17.....	601, 408				7	2	4	42	5	21
Yokohama.....	Sept. 10.....	189, 455	(a)							1	4
Zurich.....	Sept. 17.....	162, 212	68								2

a Dysentery, 5.

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
Supervising Surgeon-General U. S. Marine-Hospital Service.